

GenCore version 5.1.4_p5.4578
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 31, 2003, 11:46:44 ; Search time 14 Seconds
(without alignments)
465.595 Million cell updates/sec

Title: US-09-652-345-6

Perfect score: 543

Sequence: 1 IILLVSDDEHGRAQRLET.....ISGNALRYAPDGIIGLQLIN 111

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 237916 seqs, 58723674 residues

Total number of hits satisfying chosen parameters: 237916

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Published_Applications_AA:*

1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep.*

2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*

4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB pep.*

5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB pep.*

6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB pep.*

7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB pep.*

8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB pep.*

9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB pep.*

10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB pep.*

11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*

12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*

13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*

14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match % | Length | DB ID | Description |
|------------|-------|---------------|--------|-------|------------------|
| 1 | 538 | 99.1 | 922 | 9 | US-09-945-901-14 |
| 2 | 538 | 99.1 | 922 | 9 | US-09-945-901-20 |
| 3 | 538 | 99.1 | 922 | 9 | US-10-007-747-14 |
| 4 | 538 | 99.1 | 922 | 9 | US-10-007-747-20 |
| 5 | 538 | 99.1 | 922 | 9 | US-10-038-937-14 |
| 6 | 538 | 99.1 | 922 | 9 | US-10-038-937-20 |
| 7 | 538 | 99.1 | 938 | 9 | US-09-945-901-2 |
| 8 | 538 | 99.1 | 938 | 9 | US-10-007-747-2 |
| 9 | 538 | 99.1 | 938 | 9 | US-10-038-937-2 |
| 10 | 538 | 99.1 | 976 | 9 | US-09-945-901-22 |
| 11 | 538 | 99.1 | 976 | 9 | US-10-007-747-22 |
| 12 | 538 | 99.1 | 976 | 9 | US-10-038-937-22 |
| 13 | 517.5 | 95.3 | 943 | 9 | US-09-945-901-36 |
| 14 | 517.5 | 95.3 | 943 | 9 | US-10-007-747-36 |
| 15 | 517.5 | 95.3 | 943 | 9 | US-10-038-937-36 |
| 16 | 517.5 | 95.3 | 959 | 9 | US-09-945-901-24 |
| 17 | 517.5 | 95.3 | 959 | 9 | US-10-007-747-24 |
| 18 | 517.5 | 95.3 | 959 | 9 | US-10-038-937-24 |
| 19 | 517.5 | 95.3 | 937 | 9 | US-09-945-901-38 |

| | | | | | | |
|----|-------|------|------|----|---------------------|-------------------|
| 20 | 517.5 | 95.3 | 997 | 9 | US-10-007-747-38 | Sequence 38, Appl |
| 21 | 517.5 | 95.3 | 997 | 9 | US-10-038-937-38 | Sequence 38, Appl |
| 22 | 400 | 73.7 | 854 | 9 | US-09-945-901-32 | Sequence 32, Appl |
| 23 | 400 | 73.7 | 854 | 9 | US-10-007-747-32 | Sequence 32, Appl |
| 24 | 400 | 73.7 | 854 | 9 | US-10-038-937-32 | Sequence 32, Appl |
| 25 | 400 | 73.7 | 870 | 9 | US-09-945-901-30 | Sequence 30, Appl |
| 26 | 400 | 73.7 | 870 | 9 | US-10-007-747-30 | Sequence 30, Appl |
| 27 | 400 | 73.7 | 870 | 9 | US-10-038-937-30 | Sequence 30, Appl |
| 28 | 400 | 73.7 | 908 | 9 | US-09-945-901-34 | Sequence 34, Appl |
| 29 | 400 | 73.7 | 908 | 9 | US-10-007-747-34 | Sequence 34, Appl |
| 30 | 400 | 73.7 | 908 | 9 | US-10-038-937-34 | Sequence 34, Appl |
| 31 | 379.5 | 69.9 | 777 | 9 | US-09-945-901-16 | Sequence 16, Appl |
| 32 | 379.5 | 69.9 | 777 | 9 | US-10-007-747-16 | Sequence 16, Appl |
| 33 | 379.5 | 69.9 | 777 | 9 | US-10-038-937-16 | Sequence 16, Appl |
| 34 | 379.5 | 69.9 | 875 | 9 | US-09-945-901-28 | Sequence 28, Appl |
| 35 | 379.5 | 69.9 | 875 | 9 | US-10-007-747-28 | Sequence 28, Appl |
| 36 | 379.5 | 69.9 | 875 | 9 | US-10-038-937-28 | Sequence 28, Appl |
| 37 | 379.5 | 69.9 | 891 | 9 | US-09-945-901-26 | Sequence 26, Appl |
| 38 | 379.5 | 69.9 | 891 | 9 | US-10-007-747-26 | Sequence 26, Appl |
| 39 | 379.5 | 69.9 | 891 | 9 | US-10-038-937-26 | Sequence 26, Appl |
| 40 | 379.5 | 69.9 | 929 | 9 | US-09-945-901-40 | Sequence 40, Appl |
| 41 | 379.5 | 69.9 | 929 | 9 | US-10-007-747-40 | Sequence 40, Appl |
| 42 | 379.5 | 69.9 | 929 | 9 | US-10-038-937-40 | Sequence 40, Appl |
| 43 | 102.5 | 18.9 | 1336 | 9 | US-09-945-901-58 | Sequence 58, Appl |
| 44 | 102.5 | 18.9 | 1336 | 9 | US-10-007-747-58 | Sequence 58, Appl |
| 45 | 102.5 | 18.9 | 1336 | 9 | US-10-038-937-58 | Sequence 58, Appl |
| 46 | 85.5 | 15.7 | 1214 | 9 | US-09-945-901-54 | Sequence 54, Appl |
| 47 | 85.5 | 15.7 | 1214 | 9 | US-10-007-747-54 | Sequence 54, Appl |
| 48 | 85.5 | 15.7 | 1214 | 9 | US-10-038-937-54 | Sequence 54, Appl |
| 49 | 85.5 | 15.7 | 1219 | 9 | US-09-945-901-50 | Sequence 50, Appl |
| 50 | 85.5 | 15.7 | 1219 | 9 | US-10-007-747-50 | Sequence 50, Appl |
| 51 | 85.5 | 15.7 | 1219 | 9 | US-10-038-937-50 | Sequence 50, Appl |
| 52 | 85.5 | 15.7 | 1231 | 9 | US-09-945-901-48 | Sequence 48, Appl |
| 53 | 85.5 | 15.7 | 1231 | 9 | US-10-007-747-48 | Sequence 48, Appl |
| 54 | 85.5 | 15.7 | 1231 | 9 | US-10-038-937-48 | Sequence 48, Appl |
| 55 | 85.5 | 15.7 | 1236 | 9 | US-09-945-901-6 | Sequence 6, Appl |
| 56 | 85.5 | 15.7 | 1236 | 9 | US-10-007-747-6 | Sequence 6, Appl |
| 57 | 85.5 | 15.7 | 1236 | 9 | US-10-038-937-6 | Sequence 6, Appl |
| 58 | 85.5 | 15.7 | 1239 | 9 | US-09-945-901-52 | Sequence 52, Appl |
| 59 | 85.5 | 15.7 | 1239 | 9 | US-10-007-747-52 | Sequence 52, Appl |
| 60 | 85.5 | 15.7 | 1239 | 9 | US-10-038-937-52 | Sequence 52, Appl |
| 61 | 85.5 | 15.7 | 1244 | 9 | US-09-945-901-46 | Sequence 46, Appl |
| 62 | 85.5 | 15.7 | 1244 | 9 | US-10-007-747-46 | Sequence 46, Appl |
| 63 | 85.5 | 15.7 | 1244 | 9 | US-10-038-937-46 | Sequence 46, Appl |
| 64 | 81 | 14.9 | 199 | 10 | US-09-864-761-33916 | Sequence 33916, A |
| 65 | 81 | 14.9 | 1484 | 9 | US-09-945-901-56 | Sequence 56, Appl |
| 66 | 81 | 14.9 | 1484 | 9 | US-10-007-747-56 | Sequence 56, Appl |
| 67 | 81 | 14.9 | 1484 | 9 | US-10-038-937-56 | Sequence 56, Appl |
| 68 | 78 | 14.4 | 1464 | 9 | US-09-945-901-11 | Sequence 11, Appl |
| 69 | 78 | 14.4 | 1464 | 9 | US-10-007-747-11 | Sequence 11, Appl |
| 70 | 78 | 14.4 | 1464 | 9 | US-10-038-937-11 | Sequence 11, Appl |
| 71 | 76 | 14.0 | 850 | 9 | US-10-125-792-12 | Sequence 12, Appl |
| 72 | 76 | 14.0 | 941 | 9 | US-10-125-792-8 | Sequence 8, Appl |
| 73 | 76 | 14.0 | 941 | 9 | US-10-125-792-10 | Sequence 10, Appl |
| 74 | 75.5 | 13.9 | 843 | 9 | US-10-096-144-1 | Sequence 1, Appl |
| 75 | 75.5 | 13.9 | 843 | 9 | US-09-927-315-7 | Sequence 7, Appl |
| 76 | 75.5 | 13.9 | 843 | 12 | US-10-124-598-1 | Sequence 1, Appl |
| 77 | 73.5 | 13.5 | 843 | 9 | US-10-096-144-2 | Sequence 2, Appl |
| 78 | 73.5 | 13.5 | 843 | 9 | US-09-927-315-8 | Sequence 8, Appl |
| 79 | 73.5 | 13.5 | 843 | 12 | US-10-124-598-2 | Sequence 3, Appl |
| 80 | 72.5 | 13.4 | 3816 | 9 | US-09-808-880-3 | Sequence 6207, Ap |
| 81 | 69 | 12.7 | 228 | 9 | US-09-738-626-6207 | Sequence 142, App |
| 82 | 69 | 12.7 | 550 | 9 | US-10-033-297-142 | Sequence 142, App |
| 83 | 69 | 12.7 | 550 | 9 | US-09-940-244-142 | Sequence 2, Appl |
| 84 | 69 | 12.7 | 550 | 10 | US-09-817-464-2 | Sequence 28, Appl |
| 85 | 68.5 | 12.6 | 1078 | 9 | US-10-125-792-28 | Sequence 2, Appl |
| 86 | 68.5 | 12.6 | 1078 | 10 | US-09-727-205-2 | Sequence 2, Appl |
| 87 | 68.5 | 12.6 | 1078 | 12 | US-10-002-854-2 | Sequence 2, Appl |
| 88 | 68 | 12.5 | 908 | 9 | US-10-126-617-2 | Sequence 12266, A |
| 89 | 67.5 | 12.4 | 869 | 10 | US-09-815-242-12266 | Sequence 6494, Ap |
| 90 | 67.5 | 12.4 | 925 | 9 | US-09-738-626-6494 | Sequence 144, App |
| 91 | 66.5 | 12.2 | 527 | 9 | US-10-033-297-144 | Sequence 144, App |
| 92 | 66.5 | 12.2 | 527 | 9 | US-09-940-244-144 | Sequence 144, App |

93 66.5 12.2 543 9 US-10-033-297-143 Sequence 143, App
94 66.5 12.2 543 9 US-09-940-244-143 Sequence 143, App
95 66.5 12.2 595 9 US-09-738-626-6447 Sequence 6447, Ap
96 65 12.0 340 9 US-09-738-626-3755 Sequence 3755, Ap
97 64.5 11.9 318 10 US-09-815-242-11362 Sequence 11362, A
98 64.5 11.9 318 10 US-09-815-242-11531 Sequence 11531, A
99 64.5 11.9 519 10 US-09-815-242-11546 Sequence 11546, A
100 64.5 11.9 1175 10 US-09-771-161A-224 Sequence 224, App

ALIGNMENTS

RESULT 1
US-09-945-901-14
; Sequence 14, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-945-901-14

Query Match 99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IILLVSDDEHGRAAKRLETLLEERESKAQVLPDPGKNTVNTALLMEARELEARVILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQVLPDPGKNTVNTALLMEARELEARVILS 222

Qy 61 ASEDAAATVYRAAAMLNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMLNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 273

RESULT 2
US-09-945-901-20
; Sequence 20, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-945-901-20

Query Match 99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IILLVSDDEHGRAAKRLETLLEERESKAQVLPDPGKNTVNTALLMEARELEARVILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQVLPDPGKNTVNTALLMEARELEARVILS 222

Qy 61 ASEDAAATVYRAAAMLNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMLNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 273

RESULT 3
US-10-007-747-14
; Sequence 14, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun

```
;
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
;
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-007-747-14

Query Match 99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILLVSDDEHGRAAKRLTLLLEERESKAQKVLQDPGKTKNVTALLMEARELEAVIILS 60
DB 163 ILLVSDDEHGRAAKRLTLLLEERESKAQKVLQDPGKTKNVTALLMEARELEAVIILS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 111
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 273

RESULT 4
US-10-007-747-20
; Sequence 20, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
```

```
;
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
;
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-007-747-20

Query Match 99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILLVSDDEHGRAAKRLTLLLEERESKAQKVLQDPGKTKNVTALLMEARELEAVIILS 60
DB 163 ILLVSDDEHGRAAKRLTLLLEERESKAQKVLQDPGKTKNVTALLMEARELEAVIILS 222

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 111
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGERISGNALRYAPDGIIGLQLIN 273

RESULT 5
US-10-038-937-14
; Sequence 14, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
```

```
;
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-038-937-14

Query Match          99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDHGEGRAAKRLTLLERESKAQKVLQDPGKNTVNTALLMEARELEARVILS 60
Db 163 IILLVSDDHGEGRAAKRLTLLERESKAQKVLQDPGKNTVNTALLMEARELEARVILS 222

QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 6
US-10-038-937-20
; Sequence 20, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
```

```
;
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-038-937-20

Query Match          99.1%; Score 538; DB 9; Length 922;
Best Local Similarity 98.2%; Pred. No. 5.3e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDHGEGRAAKRLTLLERESKAQKVLQDPGKNTVNTALLMEARELEARVILS 60
Db 163 IILLVSDDHGEGRAAKRLTLLERESKAQKVLQDPGKNTVNTALLMEARELEARVILS 222

QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 7
US-09-945-901-2
; Sequence 2, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
```

US-09-945-901-2

Query Match 99.1%; Score 538; DB 9; Length 938;
Best Local Similarity 98.2%; Pred. No. 5.4e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGEHRAAKRLETLLEERESKAEKVLQDFDGTGNVTALLMEARELEAVIILS 60
|||||
DB 163 IILLVSDHGEHRAAKRLETLLEERESKAEKVLQDFDGTGNVTALLMEARELEAVIILS 222
|||||
QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
|||||
DB 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
|||||

RESULT 8

US-10-007-747-2

; Sequence 2, Application US/10007747
; Patent No. US20020161193A1

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.
Elliis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla

STATE: CA

COUNTRY: USA

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,747

FILING DATE: 07-Dec-2001

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/648,797

FILING DATE: 28-Aug-2000

APPLICATION NUMBER: US/08/940,086A

FILING DATE: 29-SEPT-97

APPLICATION NUMBER: US 08/231,193

FILING DATE: 20-APR-1994

APPLICATION NUMBER: US 08/052,449

FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 24735-9383C

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 450-8400

TELEFAX: (619) 450-8499

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 938 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-10-007-747-2

Query Match 99.1%; Score 538; DB 9; Length 938;

Best Local Similarity 98.2%; Pred. No. 5.4e-50;

Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGEHRAAKRLETLLEERESKAEKVLQDFDGTGNVTALLMEARELEAVIILS 60

|||||

DB 163 IILLVSDHGEHRAAKRLETLLEERESKAEKVLQDFDGTGNVTALLMEARELEAVIILS 222

|||||

QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111

|||||

DB 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

|||||

DB 163 IILLVSDHGEHRAAKRLETLLEERESKAEKVLQDFDGTGNVTALLMEARELEAVIILS 222

QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
|||||
DB 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
|||||

RESULT 9

US-10-038-937-2

; Sequence 2, Application US/10038937
; Publication No. US20030013866A1

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.
Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla

STATE: CA

COUNTRY: U.S.A.

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/038,937

FILING DATE: 18-Apr-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/935,105

FILING DATE: 29-SEPT-97

APPLICATION NUMBER: US 08/231,193

FILING DATE: 20-APR-1994

APPLICATION NUMBER: US 08/052,449

FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 6362-9383D

TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-238-0999

TELEFAX: 619-238-0062

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 938 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-10-038-937-2

Query Match 99.1%; Score 538; DB 9; Length 938;

Best Local Similarity 98.2%; Pred. No. 5.4e-50;

Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGEHRAAKRLETLLEERESKAEKVLQDFDGTGNVTALLMEARELEAVIILS 60

|||||

DB 163 IILLVSDHGEHRAAKRLETLLEERESKAEKVLQDFDGTGNVTALLMEARELEAVIILS 222

|||||

QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111

|||||

DB 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

|||||

RESULT 10

US-09-945-901-22

; Sequence 22, Application US/09945901
; Patent No. US20020161215A1

GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-945-901-22
Query Match. 99.1%; Score 538; DB 9; Length 976;
Best Local Similarity 98.2%; Pred. No. 5.7e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 IILVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTALLMEARELEARVILS 60
Db 163 IILVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTALLMEARELEARVILS 222
61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
RESULT 11
US-10-007-747-22
Sequence 22, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor

CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-10-007-747-22
Query Match. 99.1%; Score 538; DB 9; Length 976;
Best Local Similarity 98.2%; Pred. No. 5.7e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 IILVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTALLMEARELEARVILS 60
Db 163 IILVSDDEHGRAAKRLETLLEERESKAQKVLQDPGKNTALLMEARELEARVILS 222
61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
RESULT 12
US-10-038-937-22
Sequence 22, Application US/10038937
Publication No. US20030013866A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/038,937
FILING DATE: 18-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/935,105
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-10-038-937-22

Query Match 99.1%; Score 538; DB 9; Length 976;
Best Local Similarity 98.2%; Pred. No. 5.7e-50;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 IILLVSDHDEGRAAKRLTLLERESKAEKVLQFDPGKNTVALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAAKRLTLLERESKAEKVLQFDPGKNTVALLMEARELEARVILS 222
Qy 61 ASEDAAATYRAAAMLMNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATYRAAAMLMNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 13
US-09-945-901-36
Sequence 36, Application US/09945901
Patent No. US20020161215A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 943 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-945-901-36
Query Match 95.3%; Score 517.5; DB 9; Length 943;
Best Local Similarity 82.6%; Pred. No. 9.1e-48;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
Qy 1 IILLVSDHDEGRAAKRLTLLERESKAEKVLQFDPGKNTVALLMEARELEARVILS 39
Db 163 IILLVSDHDEGRAAKRLTLLERESKAEKVLQFDPGKNTVALLMEARELEARVILS 222
Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLMNTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLMNTGSGYVWLVGEREISGNALRY 282
Qy 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294
RESULT 14
US-10-007-747-36
Sequence 36, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:


```

; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
;
US-10-038-937-32
;
Query Match 73.7%; Score 400; DB 9; Length 854;
Best Local Similarity 79.8%; Pred. No. 4.4e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

Qy 1 IILLVSDHDEGRAQKRLTLEERESKAQVLPDQPKNNVTALLMEAREARVILS 60
Db 163 IILLVSDHDEGRAQKRLTLEERESKAQVLPDQPKNNVTALLMEAREARVILS 222
Qy 61 ASEDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
; ||||| ||||| ||||| : | : | : : || || : |
; ||||| ||||| ||||| : | : | : : || || : |
Db 223 ASEDAATVYRAAAMLNMTGNTNWKTLGTLFKRLVMS--KYA-DGVTVG 268
; ||||| ||||| ||||| : | : | : : || || : |
; ||||| ||||| ||||| : | : | : : || || : |
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 870 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

```

3.

3.

DD 223 ASEDAAATVIRAAAMLMNMTGNININWKGPLEKRVLMSS--AYA-DGVVG 208

RESULT 28

RESULT 28

; Sequence 34, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993

; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-09-945-901-34

Query Match 73.7%; Score 400; DB 9; Length 908;
Best Local Similarity 79.8%; Pred. No. 4.8e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

Oy 1 IILLVSDHGRRAQKRLETLLERESKAEKVLPDPGKNTVNTALLMEARELEARVILS 60
b 163 IILLVSDHGRRAQKRLETLLERESKAEKVLPDPGKNTVNTALLMEARELEARVILS 222

Oy 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNWKTPGLPKRVLMS--KYA-DGVGTG 268

RESULT 29

US-10-007-747-34
; Sequence 34, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 23-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993

; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499

; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-10-007-747-34

Query Match 73.7%; Score 400; DB 9; Length 908;
Best Local Similarity 79.8%; Pred. No. 4.8e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

Oy 1 IILLVSDHGRRAQKRLETLLERESKAEKVLPDPGKNTVNTALLMEARELEARVILS 60
Db 163 IILLVSDHGRRAQKRLETLLERESKAEKVLPDPGKNTVNTALLMEARELEARVILS 222

Oy 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNWKTPGLPKRVLMS--KYA-DGVGTG 268

RESULT 30

US-10-038-937-34
; Sequence 34, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/038,937
FILING DATE: 18-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/935,105
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 908 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-10-038-937-34

Query Match 73.7%; Score 400; DB 9; Length 908;
Best Local Similarity 79.8%; Pred. No. 4.8e-35;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;
QY 1 IILLVSDDHGAAAKRLTLEERESKAEKVLQFDPGKNTVALLMEARELEARVILS 60
DB 163 IILLVSDDHGAAAKRLTLEERESKAEKVLQFDPGKNTVALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
DB 223 ASEDAAATVYRAAAMNMTGNTNIWKTGTLFVKRLMSS--KYA-DGVTG 268

RESULT 31
US-09-945-901-16
Sequence 16, Application US/09945901
Patent No. US20020161215A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449

FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-945-901-16
Query Match 69.9%; Score 379.5; DB 9; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.5e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;
QY 1 IILLVSDDHGAAAKRLTLEERES-----KAEKVLQFDPGT 39
DB 65 IILLVSDDHGAAAKRLTLEERESKSKRNYENLDQLSYDNKRGKAEKVLQFDPGT 124
QY 40 KNTVALLMEARELEARVILSASDDAAATVYRAAAMNMTGSGYVWLVG---EREISGNA 96
DB 125 KNTVALLMEARELEARVILSASDDAAATVYRAAAMNMTGNTNIWKTGTLFVKRLMSS- 183
QY 97 LRYAPDGIIG 106
DB 184 -KYA-DGVTG 191
RESULT 32
US-10-007-747-16
Sequence 16, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-007-747-16

Query Match 69.9%; Score 379.5; DB 9; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.5e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGAAQKRLTLEERES-----KAEKVLQDFDGT 39
|||||
Db 65 IILLVSDHDEGAAQKRLTLEERESKKNRYENLDQSYDNKRGPKAQKVLQDFDGT 124
|||||
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGSGYVVLVG---EREISGNA 96
|||||
Db 125 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGNTNWKTPLEKRVLMSS- 183
|||||
QY 97 LRYAPDGIIG 106
:|||||
Db 184 -KYA-DGVTG 191

RESULT 33

US-10-038-937-16
Sequence 16, Application US/10038937
Publication No. US20030013866A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/038,937
FILING DATE: 18-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/935,105
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-038-937-16

Query Match 69.9%; Score 379.5; DB 9; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.5e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGAAQKRLTLEERES-----KAEKVLQDFDGT 39
|||||
Db 65 IILLVSDHDEGAAQKRLTLEERESKKNRYENLDQSYDNKRGPKAQKVLQDFDGT 124
|||||
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGSGYVVLVG---EREISGNA 96
|||||
Db 125 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGNTNWKTPLEKRVLMSS- 183
|||||
QY 97 LRYAPDGIIG 106
:|||||
Db 184 -KYA-DGVTG 191

RESULT 34

US-09-945-901-28
Sequence 28, Application US/09945901
Patent No. US20020161215A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Lu, Chen-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-945-901-28

Query Match 69.9%; Score 379.5; DB 9; Length 875;

| | | | |
|----|-----|---|-------------|
| Db | 163 | IIILLVSDHGEHRAAQKRLTLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQDPGCT | 222 |
| QY | 40 | KNTALLMEARELEARVILIISASEDDAATVYRAAALNMTGSGYVNLVG--- | EREISGNA 96 |
| Db | 223 | KNTALLMEAKELEARVILIISASEDDAATVYRAAALNMTGTNINWKTGPKFRLVLMSS- | 281 |
| QY | 97 | LRYPAGGIIG | 106 |
| Db | 282 | -KVA-DGVTG | 289 |

RESULT 36
US-10-038-937-28
; Sequence 28, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.

```

? STATE: CA
? COUNTRY: U.S.A.
? ZIP: 92037
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/10/038,937
?
```

FILING DATE: 20-APR-1994
 APPLICATION NUMBER: US 08/052,449
 FILING DATE: 20-APR-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 6362-9383D
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-238-0999
 TELEFAX: 619-238-0062
 INFORMATION FOR SEQ ID NO: 28:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 875 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 28:
 US-10-Q38-937-28

```

D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
DA
DB
DC
DD
DE
DF
E0
E1
E2
E3
E4
E5
E6
E7
E8
E9
EA
EB
EC
ED
EE
EF
F0
F1
F2
F3
F4
F5
F6
F7
F8
F9
FA
FB
FC
FD
FE
FF

```



```
;
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-10-038-937-26
;
; Query Match 69.9%; Score 379.5; DB 9; Length 891;
; Best Local Similarity 66.9%; Pred No. 7.7e-33;
; Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;
;
; Qy 1 IILLVSDDEHGRAAKRLETLLEERES-----KAEKVLPQDPGT 39
; Db 163 IILLVSDDEHGRAAKRLETLLEERESKRRNYENLDQLSYDNKRGPKAEKVLPQDPGT 222
;
; Qy 40 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVWLVG---EREISGNA 96
; Db 223 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGNTNTNWKTPGLFKRVLMS- 281
;
; Qy 97 LRYAPDGIIG 106
; Db 282 -KYA-DGVTG 289
;
; RESULT 40
; US-09-945-901-40
; Sequence 40, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
```

```
;
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-09-945-901-40
;
; Query Match 69.9%; Score 379.5; DB 9; Length 929;
; Best Local Similarity 66.9%; Pred. No. 8.2e-33;
; Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;
;
; Qy 1 IILLVSDDEHGRAAKRLETLLEERES-----KAEKVLPQDPGT 39
; Db 163 IILLVSDDEHGRAAKRLETLLEERESKRRNYENLDQLSYDNKRGPKAEKVLPQDPGT 222
;
; Qy 40 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGSGYVWLVG---EREISGNA 96
; Db 223 KNTALLMEARELEARVILSASDDAATVYRAAAMNMTGNTNTNWKTPGLFKRVLMS- 281
;
; Qy 97 LRYAPDGIIG 106
; Db 282 -KYA-DGVTG 289
;
; RESULT 41
; US-10-007-747-40
; Sequence 40, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
```

;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/10/007,747
;; FILING DATE: 07-Dec-2001
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/09/648,797
;; FILING DATE: 28-Aug-2000
;; APPLICATION NUMBER: US/08/940,086A
;; FILING DATE: 29-SEPT-97
;; APPLICATION NUMBER: US 08/231,193
;; FILING DATE: 20-APR-1994
;; APPLICATION NUMBER: US 08/052,449
;; FILING DATE: 20-APR-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Seidman, Stephanie
;; REGISTRATION NUMBER: 33,779
;; REFERENCE/DOCKET NUMBER: 24735-9383C
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (619) 450-8400
;; TELEFAX: (619) 450-8499
;; INFORMATION FOR SEQ ID NO: 40:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 929 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-10-007-747-40

Query Match 69.9%; Score 379.5; DB 9; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.2e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGRAAKRLTLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDHDEGRAAKRLTLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
Qy 40 KNVTALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 223 KNVTALLMEARELEARVILSASDDAATVYRAAAMLNMTGNTNWKTPLEKRVLMSS- 281
Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVGTG 289

RESULT 42
US-10-038-937-40
Sequence 40, Application US/10038937
Publication No. US20030013866A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/038,937

;; FILING DATE: 18-Apr-2002
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/935,105
;; FILING DATE: 29-SEPT-97
;; APPLICATION NUMBER: US 08/231,193
;; FILING DATE: 20-APR-1994
;; APPLICATION NUMBER: US 08/052,449
;; FILING DATE: 20-APR-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Seidman, Stephanie
;; REGISTRATION NUMBER: 33,779
;; REFERENCE/DOCKET NUMBER: 6362-9383D
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-238-0062
;; TELEFAX: 619-238-0062
;; INFORMATION FOR SEQ ID NO: 40:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 929 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-10-038-937-40

Query Match 69.9%; Score 379.5; DB 9; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.2e-33;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGRAAKRLTLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDHDEGRAAKRLTLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
Qy 40 KNVTALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 223 KNVTALLMEARELEARVILSASDDAATVYRAAAMLNMTGNTNWKTPLEKRVLMSS- 281
Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVGTG 289

RESULT 43
US-09-945-901-58
Sequence 58, Application US/09945901
Patent No. US20020161215A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>

```
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1336 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 58:
S-09-945-901-58
Query Match 18.9%; Score 102.5; DB 9; Length 1336;
Best Local Similarity 33.3%; Pred. No. 0.014;
Matches 23; Conservative 14; Mismatches 31; Indels 1; Gaps 1;

QY 33 LQFDPGKNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREI 92
| ||| | : | : : : | : : | | : ||||| : :
Db 221 LTLDPGA-GEAVLSAQLRSVSAQIRLLFCAREEAPVFRAAEEAGLTGSGYVWFMVGPOL 279

QY 93 SGNALRYAP 101
| : ||
Db 280 AGGGGSGAP 288

RESULT 44
US-10-007-747-58
; Sequence 58, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
```

```
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1336 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 58:
US-10-007-747-58
Query Match 18.9%; Score 102.5; DB 9; Length 1336;
Best Local Similarity 33.3%; Pred. No. 0.014;
Matches 23; Conservative 14; Mismatches 31; Indels 1; Gaps 1;

QY 33 LQFDPGKNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREI 92
| ||| | : | : : : | : : | | : ||||| : :
Db 221 LTLDPGA-GEAVLSAQLRSVSAQIRLLFCAREEAPVFRAAEEAGLTGSGYVWFMVGPOL 279

QY 93 SGNALRYAP 101
| : ||
Db 280 AGGGGSGAP 288

RESULT 45
US-10-038-937-58
; Sequence 58, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1336 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 58:
US-10-038-937-58
Query Match 18.9%; Score 102.5; DB 9; Length 1336;
```

```

Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
            Ellis, Steven B.
            Liaw, Chen W.
            Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 1214 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-10-007-747-54

Query Match          15.7%; Score 85.5; DB 9; Length 1214;
Best Local Similarity 35.7%; Pred. No. 0.89;
Matches 20; Conservative 11; Mismatches 22; Indels 3; Gaps 2;

QY 33 LQFDPGTKNV-TALLMREARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWL 87
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 201 LELDPGGPRARTORLL--RLQDAPVFVAYCSREAEVLFAEAAQAAGLVGPGHVLV 254

RESULT 48
US-10-038-937-54
: Sequence 54, Application US/10038937
: Publication No. US20030013866A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
            Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA

```

```
;
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038.937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1214 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-10-038-937-54

    Query Match      15.7%; Score 85.5; DB 9; Length 1214;
    Best Local Similarity 35.7%; Pred. No. 0.89;
    Matches 20; Conservative 11; Mismatches 22; Indels 3; Gaps 2;

QY 33 LQDPGPKNV-TALLMEARELEARVILSASDDAATVYRAAAMLNTGSGYVWL 87
   | : ||| | | : | : | : | : | : | : | : | : | : | : | : |
Db 201 LEIDPGPRARTORLL--RLDAPVFVAYCSREAEVLEFAAAQAGLVGPGHWLV 254

RESULT 49
US-09-945-901-50
; Sequence 50, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
```

```
;
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1219 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 50:
US-09-945-901-50

    Query Match      15.7%; Score 85.5; DB 9; Length 1219;
    Best Local Similarity 35.7%; Pred. No. 0.89;
    Matches 20; Conservative 11; Mismatches 22; Indels 3; Gaps 2;

QY 33 LQDPGPKNV-TALLMEARELEARVILSASDDAATVYRAAAMLNTGSGYVWL 87
   | : ||| | | : | : | : | : | : | : | : | : | : | : | : |
Db 201 LEIDPGPRARTORLL--RLDAPVFVAYCSREAEVLEFAAAQAGLVGPGHWLV 254

RESULT 50
US-10-007-747-50
; Sequence 50, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
```


SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062

INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 1239 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 52:

US-09-945-901-52

Query Match 15.7%; Score 85.5; DB 9; Length 1239;
Best Local Similarity 35.7%; Pred. No. 0,91;
Matches 20; Conservative 11; Mismatches 22; Indels 3; Gaps 2;

Dy 33 LQFDPGTKNV-TALLMEARELEARVILSAESDDAATVYRAAAAMLTGGSYWLV 87
| : | | | | : | : | : | : | : | : | : | : | : | : | :
Db 201 LELEDGPGPRARTORLL--RLDAPVFVAYCSREAEVLFAEAQAAGLVPGHVVLV 254

RESULT 59
US-10-007-747-52
Sequence 52, Application US/10007747
Patent No. US20020161193A1

GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

```
; APPLICATION NUMBER: US/10/007,747
; FILING DATE: 07-Dec-2001
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/09/648,797
;   FILING DATE: 28-Aug-2000
;   APPLICATION NUMBER: US/08/940,086A
;   FILING DATE: 29-SEPT-97
;   APPLICATION NUMBER: US 08/231,193
;   FILING DATE: 20-APR-1994
;   APPLICATION NUMBER: US 08/052,449
;   FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1239 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 52:
; ;
US-10-007-747 -52

Query Match          15.7%    Score 85.5; DB 9; Length 1239;
Best Local Similarity 35.7%; Pred.No.0.91; Indels      3; Gaps
Matches 20; Conservative                               22; Mismatches

QY 33 LQFDPGTKNV--TALLMEARELEARVILLSASEDDAAVTYRAAAMLNMTGGSYWVLV 87
I : ||| I | : |:|| I : |:: I :: I :: I : |::|||
Db 201 LEIDPGGPRARTORLL--RLDAPVFVAYCSREEAEVLFAEAAQAAGLVGPHGVWL 254
L E D P G G P R A T O R L L -- R L D A P V F V A Y C S R E E A E V L F A E A Q A A G L V G P H G W L V

RESULT 60
US-10-038-937-52
; Sequence 52, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
```

Query Match 15.7%; Score 85.5; DB 9; Length 1244;
Best Local Similarity 35.7%; Pred. No. 0.92;
Matches 20; Conservative 11; Mismatches 22; Indels 3

QY 33 LQFDPCTKNV--TALLMEARELEARVIILSASEDDAATVYRAAAMLNMTGSGYVLW 87
 | : ||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Dd 201 LEIDCGGPRACTORLL--ROLDAPVEFYAYCSREEAEVLFEEAAOAGLVPGPHWLW 254

RESULT 63
US-10-038-937-46
; Sequence 46, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daqgett, Lorrie P.

[illegible]

```
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-007-747-11

Query Match      14.4%; Score 78; DB 9; Length 1464;
Best Local Similarity 28.1%; Pred. No. 7.4;
Matches 18; Conservative 17; Mismatches 25; Indels 4; Gaps 2;

QY 47 MEARELEARVILSSEDAATVYRAAAMLNMTGSGYVWLVGEREISGNA---LRYAPDG 103
Db 217 VOLKKIHSSVILLYGSKDEAVILSEARSLGTGYDFFWIVPSL-VSGNTLIPKREPPSG 275

QY 104 IIGL 107
Db 276 LISV 279

RESULT 70
US-10-038-937-11
; Sequence 11, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1464 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-038-937-11

Query Match      14.4%; Score 78; DB 9; Length 1464;
Best Local Similarity 28.1%; Pred. No. 7.4;
Matches 18; Conservative 17; Mismatches 25; Indels 4; Gaps 2;

QY 47 MEARELEARVILSSEDAATVYRAAAMLNMTGSGYVWLVGEREISGNA---LRYAPDG 103
Db 217 VOLKKIHSSVILLYGSKDEAVILSEARSLGTGYDFFWIVPSL-VSGNTLIPKREPPSG 275
```

```
QY 104 IIGL 107
Db 276 LISV 279

RESULT 71
US-10-125-792-12
; Sequence 12, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 850
; TYPE: PRT
; ORGANISM: Salmo salar
US-10-125-792-12

Query Match      14.0%; Score 76; DB 9; Length 850;
Best Local Similarity 26.1%; Pred. No. 5.9;
Matches 24; Conservative 19; Mismatches 43; Indels 6; Gaps 3;

QY 1 IILLVSDHDHGGRAAQKRLETLLERE---SKAEKVLFQDPGTKNVTALLMEARELEARVI 57
Db 209 VIIVASDDEYGRPGIEKFEKEMEERDICHLSLSQYFEWQ-IQGLVDRIENSSAKVI 267

QY 58 ILSASEDDAATVYRAAAMLNMTGSGYVWLVE 89
Db 268 VVFASGPDIEPLIKEMVRRNITDR--IWLASE 297

RESULT 72
US-10-125-792-8
; Sequence 8, Application US/10125792
; Publication No. US20030051269A1
; GENERAL INFORMATION:
; APPLICANT: MariCal
; APPLICANT: Harris, H. William
; APPLICANT: Nearing, Jacqueline A.
; APPLICANT: Betka, Marlies
; TITLE OF INVENTION: Polyvalent Cation-Sensing Receptor in Atlantic Salmon
; FILE REFERENCE: 2213.1006-007
; CURRENT APPLICATION NUMBER: US/10/125,792
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 10/121,441
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/31704
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 60/240,392
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,003
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 941
; TYPE: PRT
```



```

; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/095,464
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-28
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/112,747
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat G-protein coupled receptor (GPCR) B4 amino
; OTHER INFORMATION: acid sequence
US-10-096-144-1

Query Match      13.9%; Score 75.5; DB 9; Length 843;
Best Local Similarity 25.0%; Pred. No. 6.6;
Matches 26; Conservative 19; Mismatches 38; Indels 21; Gaps 4;

QY 1 IILVSDDHGEGRAAKRLETLLERESKA-----EKVLQFDPGT-----KNVTAL 45
|:||||| || ||:|:| :||| : : :
Db 209 IIVLVSDDDYGRNSH----LLSRLTKTSDICIAFQEVLPPESSQVMRSEQRQLDNI 264

QY 46 LMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVE 89
| : | | | | : | : : | | | | : | : | : |
Db 265 LDKLRRTSARVVVVFSPELSLSYFFHEVLRWNFT--GFVWIASE 306

RESULT 75
US-09-927-315-7
; Sequence 7, Application US/09927315
; Publication No. US20030040045A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrasekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307E-120110US
; CURRENT APPLICATION NUMBER: US/09/927,315
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat T1R2 sweet taste receptor
US-09-927-315-7

Query Match      13.9%; Score 75.5; DB 9; Length 843;
Best Local Similarity 25.0%; Pred. No. 6.6;
Matches 26; Conservative 19; Mismatches 38; Indels 21; Gaps 4;

QY 1 IILVSDDHGEGRAAKRLETLLERESKA-----EKVLQFDPGT-----KNVTAL 45
|:||||| || ||:|:| :||| : : :
Db 209 IIVLVSDDDYGRNSH----LLSRLTKTSDICIAFQEVLPPESSQVMRSEQRQLDNI 264

QY 46 LMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVE 89
| : | | | | : | : : | | | | : | : | : |
Db 265 LDKLRRTSARVVVVFSPELSLSYFFHEVLRWNFT--GFVWIASE 306

```

```
RESULT 76
US-10-124-598-1
; Sequence 1, Application US/10124598
; Patent No. US20020119526A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Lindemeier, Juergen
; APPLICANT: Adler, Jon Elliot
; TITLE OF INVENTION: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; TITLE OF INVENTION: Involved in Sensory Transduction
; FILE REFERENCE: 02307E-088720US
; CURRENT APPLICATION NUMBER: US/10/124,598
; PRIOR FILING DATE: 2002-04-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/361,631
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/112,747
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat G-protein coupled receptor (GPCR) B4 amino
; OTHER INFORMATION: acid sequence
US-10-124-598-1

Query Match      13.9%; Score 75.5; DB 12; Length 843;
Best Local Similarity 25.0%; Pred. No. 6.6;
Matches 26; Conservative 19; Mismatches 38; Indels 21; Gaps 4;

.Qy 1 IILLVSDDDHGRNSK-----AAQKRLETLLEERESKA-----EKVLQDPGT-----KNVTAL 45
Db 209 IIVLVSDDDYGRNSH-----LLSRLTKTSDICIAFQEVLPPESSQVNRSEQRQLDNI 264

Qy 46 LMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVE 89
Db 265 LDKLRRTSARVVVFSPELSLYSFFHEVLWNFT--GFVWIASE 306

RESULT 77
US-10-096-144-2
; Sequence 2, Application US/10096144
; Publication No. US20030022288A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Lindemeier, Juergen
; TITLE OF INVENTION: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; TITLE OF INVENTION: Involved in Sensory Transduction
; FILE REFERENCE: 02307E-088720US
; CURRENT APPLICATION NUMBER: US/10/096,144
; CURRENT FILING DATE: 2002-03-08
; PRIOR FILING DATE: EARLIER APPLICATION NUMBER: 09/361,631
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/095,464
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-28
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/112,747
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse G-protein coupled receptor (GPCR) B4 amino
; OTHER INFORMATION: acid sequence
US-10-096-144-2
```

```
Query Match      13.5%; Score 73.5; DB 9; Length 843;
Best Local Similarity 25.2%; Pred. No. 11;
Matches 27; Conservative 15; Mismatches 38; Indels 27; Gaps 3;

Qy 1 IILLVSDDDHGR-----AAQKRLETLLEERESKA-----AAQKRLETLLEERESKA----- 42
Db 209 IIVLVSDDDYGRNSHLLSRLTKTSDICIAFQEVLPPEPNQAVRPEEQDQDLD----- 262

Qy 43 TALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVE 89
Db 263 -NILDKLRTSARVVVFSPELSLHNFREVLWNFT--GFVWIASE 306

RESULT 78
US-09-927-315-8
; Sequence 8, Application US/09927315
; Publication No. US20030040045A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrashekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307E-120110US
; CURRENT APPLICATION NUMBER: US/09/927,315
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: mouse Tlr2 sweet taste receptor
US-09-927-315-8

Query Match      13.5%; Score 73.5; DB 9; Length 843;
Best Local Similarity 25.2%; Pred. No. 11;
Matches 27; Conservative 15; Mismatches 38; Indels 27; Gaps 3;

Qy 1 IILLVSDDDHGR-----AAQKRLETLLEERESKA-----AAQKRLETLLEERESKA----- 42
Db 209 IIVLVSDDDYGRNSHLLSRLTKTSDICIAFQEVLPPEPNQAVRPEEQDQDLD----- 262

Qy 43 TALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVE 89
Db 263 -NILDKLRTSARVVVFSPELSLHNFREVLWNFT--GFVWIASE 306

RESULT 79
US-10-124-598-2
; Sequence 2, Application US/10124598
; Patent No. US20020119526A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Lindemeier, Juergen
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; TITLE OF INVENTION: Involved in Sensory Transduction
; FILE REFERENCE: 02307E-088720US
; CURRENT APPLICATION NUMBER: US/10/124,598
; CURRENT FILING DATE: 2002-04-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/361,631
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-27
```

```
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/112,747
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse G-protein coupled receptor (GPCR) B4 amino
; OTHER INFORMATION: acid sequence
US-10-124-598-2

Query Match      13.5%; Score 73.5; DB 12; Length 843;
Best Local Similarity 25.2%; Pred. No. 11;
Matches 27; Conservative 15; Mismatches 38; Indels 27; Gaps 3;

QY 1 IILVSDDEGR-----AAQRLETLLEERESKAQKVLQDPGKTV 42
Db 209 IIVLVSDDDYGRNSHLSORLNTGDIQAFQVLPVPEPQAVRPEQDOLD----- 262

QY 43 TALLMEARELEAVIILSASEDDAATVYRAAAMLNMTGSGVVLVGE 89
Db 263 -NILDKLRTSARVVIFSPELSUNHFFREVLRWNET--GEVWIASE 306

RESULT 80
US-09-808-880-3
; Sequence 3, Application US/09808880
; Publication No. US20030027287A1
; GENERAL INFORMATION:
; APPLICANT: Betlach, Mary C.
; APPLICANT: Shah, Sanjay Krishnakant
; APPLICANT: McDaniel, Robert
; APPLICANT: Tang, Li
; TITLE OF INVENTION: RECOMBINANT OLEANDOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 30062-20029.00
; CURRENT APPLICATION NUMBER: US/09/808,880
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: US/09/428,517
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/420,254
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/106,100
; PRIOR FILING DATE: 1998-10-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 3816
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
; OTHER INFORMATION: Oleandolide PKS
US-09-808-880-3

Query Match      13.4%; Score 72.5; DB 9; Length 3816;
Best Local Similarity 29.1%; Pred. No. 1.le+02;
Matches 25; Conservative 19; Mismatches 35; Indels 7; Gaps 3;

QY 11 GRAAQKRLTLLEERESKAQKVLQDPGKTVTALLMEARELEAVIILSASEDDAATVY 70
Db 1025 GEATVLEVDALHPDRAAYAEALTW--FQVRGVVSFLAWEQALAEHPVLISAGL--AASLA 1081

QY 71 RAAAMLNMTGSG----YVWLVGEREI 92
Db 1082 LAQALIDVGGSGESAPRLNLVTEAAV 1107

RESULT 81
US-09-738-626-6207
; Sequence 6207, Application US/09738626
; Publication No. US20020197605A1
```

```
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: Patent In ver. 3.0
; SEQ ID NO 6207
; LENGTH: 228
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6207

Query Match      12.7%; Score 69; DB 9; Length 228;
Best Local Similarity 27.4%; Pred. No. 5.9;
Matches 32; Conservative 18; Mismatches 43; Indels 24; Gaps 5;

QY 3 LLVSDHDEGRAQKRLTLLEERESKAQKVL--QDPGKTVTALLMEARELEAV---- 56
Db 28 VLCENDADGSHAPEQLHLLLEIEKGADLVIGSRYPGGETVN--WPAKRELLSLRGNY 85
QY 57 --IILSASEDDAATVYRA-----AAMLNMTGSGVVLVGEREISGNALRYAPDG 103
Db 86 ISVALGAGINDMTAGYRFRFRLEHLDPEELSNAGYIFQVDV-----AFRAIKDG 136

RESULT 82
US-10-033-297-142
; Sequence 142, Application US/10033297
; Publication No. US20020187486A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Mast, Andrea L.
; APPLICANT: Brow, Mary Ann D.
; TITLE OF INVENTION: Detection of Nucleic Acids By Multiple
; OTHER INFORMATION: Sequential Invasive Cleavages
; NUMBER OF SEQUENCES: 163
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/033,297
; FILING DATE: 12-No. US20020187486A1-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/350,597
; FILING DATE: 09-Jul-1999
```

[illegible]

```
; ORGANISM: Homo sapiens
US-10-125-792-28

Query Match      12.6%; Score 68.5; DB 9; Length 1078;
Best Local Similarity 21.9%; Pred. No. 53;
Matches 25; Conservative 24; Mismatches 54; Indels 11; Gaps

QY   4 LVSDHDHGRAAQKRLFTLLERE---SKAKVQLQFDPGTKNNVTALLMEARELEARVIIIS 60
Db    212 IAADDDYGRPGIEKFREAEERDIDCFSELISQYS--DEEIQHVVEVIQNSTAKVIVVF 120
QY   61 ASEDDAATVYRAAAMLNMTGSGYVLWVGEREISGNALR-----YAPDGIIGLQL 109
Db    271 SSGPDLEPLIKEIVRRNITCK--IWLASEAWASSLIAMPQYFHHVGGTIGFAL 322

RESULT 86
US-09-727-205-2
; Sequence 2, Application US/09727205
; Patent No. US20020064813A1
; GENERAL INFORMATION:
; APPLICANT: ELLIS, CATHERINE E.
; TITLE OF INVENTION: MONKEY CALCIUM SENSING RECEPTOR
; FILE REFERENCE: GP-70665
; CURRENT APPLICATION NUMBER: US/09/727,205
; CURRENT FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/168,342
; PRIOR FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1078
; TYPE: PRT
; ORGANISM: MACACA CYNOMOLGUS
US-09-727-205-2

Query Match      12.6%; Score 68.5; DB 10; Length 1078;
Best Local Similarity 21.9%; Pred. No. 53;
Matches 25; Conservative 24; Mismatches 54; Indels 11; Gaps

QY   4 LVSDHDHGRAAQKRLFTLLERE---SKAKVQLQFDPGTKNNVTALLMEARELEARVIIIS 60
Db    212 IAADDDYGRPGIEKFREAEERDIDCFSELISQYS--DEEIQHVVEVIQNSTAKVIVVF 270
QY   61 ASEDDAATVYRAAAMLNMTGSGYVLWVGEREISGNALR-----YAPDGIIGLQL 109
Db    271 SSGPDLEPLIKEIVRRNITCK--IWLASEAWASSLIAMPQYFHHVGGTIGFAL 322

RESULT 87
US-10-002-854-2
; Sequence 2, Application US/10002854
; Patent No. US20020132224A1
; GENERAL INFORMATION:
; APPLICANT: Scadden, David T.
; APPLICANT: Poznansky, Mark C.
; APPLICANT: Olszak, Ivona T.
; APPLICANT: Brown, Edward M.
; TITLE OF INVENTION: THE CAR RECEPTOR AS A MEDIATOR OF
; TITLE OF INVENTION: MIGRATION CELL CHEMOTAXIS AND/OR CHEMOKINESIS
; FILE REFERENCE: M0765/7038/ERG/KA
; CURRENT APPLICATION NUMBER: US/10/002,854
; CURRENT FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: PCT/US00/15440
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1078
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: PEPTIDE
```

```

; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12266
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-815-242-12266

Query Match          12.4%; Score 67.5; DB 10; Length 869;
Best Local Similarity 23.2%; Pred. No. 51;
Matches 26; Conservative 17; Mismatches 40; Indels 29; Gaps 3;

; 23 EERSKAKEVLQF-----DPGKNNVTALLMEAREL-----EARVILSASE 63
; | | | | | | | | | | | | | | | | | | | | | | | | | | | |
; 8 ENRSGKEQEVAIMDALADGKKALEALSKSQSEIDHIVHMSLAADVQHMVLAKLAHE 67
; | | | | | | | | | | | | | | | | | | | | | | | | | | | |

; 64 DDAATVYRAAAMLNWTSQYVW-----LYGERISGNALRYAPDGII 105
; : : : : | | | | | | | | | | | | | | | | | | | | | |
; 68 ETRGRIVEDRAIKNLAYASEYIWNISIKNKTVCIIIGEDKEKGLTVVAEPGVI 119
; : : : : | | | | | | | | | | | | | | | | | | | | | |

* RESULT 90
US-09-738-626-6494
; Sequence 6494, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAT, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OKAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 6494
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6494

Query Match          12.4%; Score 67.5; DB 9; Length 925;
Best Local Similarity 26.08; Pred. No. 55;
Matches 20; Conservative 16; Mismatches 26; Indels 15; Gaps 4;

; 37 PGKT-----NVTALLMEAREL-EARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG 90
; | | | | | | | | | | | | | | | | | | | | | | | | | | | |

```

```

Db 543 PGTTLSPILNTRITITQRDMPQLPASVRETADEVDVTV-----DIPITGPKVWIAPGT 597
QY 91 EISGNALRYAPDGIIGL 107
; : | | | | | | | | | |
Db 598 QLSG-----VLPDGV DGI 610

RESULT 91
US-10-033-297-144
; Sequence 144, Application US/10033297
; Publication No. US20020187486A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; Lyamichev, Victor I.
; Mast, Andrea L.
; Brow, Mary Ann D.
; TITLE OF INVENTION: Detection Of Nucleic-Acids By Multiple
; Sequential Invasive Cleavages
; NUMBER OF SEQUENCES: 163
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/033,297
; FILING DATE: 12-NO. US20020187486A1-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/350,597
; FILING DATE: 09-Jul-1999
; APPLICATION NUMBER: US/08/823,516
; FILING DATE: 24-MAR-1997
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/758,314
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/756,386
; FILING DATE: 29-NOV-1996
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02736
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 144:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 527 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20020187486A1 Relevant
; TOPOLOGY: No. US20020187486A1 Relevant
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 144:
US-10-033-297-144

Query Match          12.2%; Score 66.5; DB 9; Length 527;
Best Local Similarity 22.9%; Pred. No. 33;
Matches 22; Conservative 16; Mismatches 29; Indels 29; Gaps 3;

```

```

QY 15 OKLEWLELLERESKAEKVLFQDFGTKNVTALLMEAREL-----EAVVIL 59
      :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
Db 107 EKULRFLKQALIKRIIRATVTG-----QMCLESELQLFQIPYIVAPMEAEQACAIL 161
      :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
QY 60 SASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGN 95
      :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
Db 162 DLTDQTSGTI-----TDDSDIWLFGARHYKN 188
      :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|

```

```

RESULT 92
US-09-940-244-144
; Sequence 144, Application US/09940244
; Publication No. US20030044796A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/09/940,244
; CURRENT FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 144
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-09-940-244-144

```

RESULT 93
US-10-033-297-143
; Sequence 143, Application US/10033297
; Publication No. US20020187486A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; Lyamichev, Victor I.
; Mast, Andrea L.
; Brow, Mary Ann D.
; TITLE OF INVENTION: Detection Of Nucleic Acids By Multiple
; Sequential Invasive Cleavages
; NUMBER OF SEQUENCES: 163
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medien & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/033,297
; FILING DATE: 12-No. US20020187486A1-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/350,597

```

; FILING DATE: 09-Jul-1999
; APPLICATION NUMBER: US/08/823,516
; FILING DATE: 24-MAR-1997
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/758,314
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/756,386
; FILING DATE: 29-NOV-1996
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02736
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 143:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 543 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20020187486A1 Relevant
; TOPOLOGY: No. US20020187486A1 Relevant
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 143:
US-10-033-297-143

Query Match          12.2%   Score 66.5; DB 9; Length 543;
Best Local Similarity 21.0%; Pred. No. 35;
Matches 21; Conservative 20; Mismatches 28; Indels 31; Gaps 4;

QY      12 RAQKRLTEILEERESAEKVLPDPTGKNVTA-LLMEAREL-----EAR 55
         :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db       104 KTEKLKLTFLKRAALKTDRI-----AASTVGOMFLSEQLLELLRFGVPYIQAPNEAEAQ 157
         :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:

QY      56 VIILASEDDAATVYRAAAMLNMTGCGYVWLVGREISGN 95
         :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
Db       158 CAVLDLSQDTSGTI-----TDDSDIWLFGARHYKN 188
         :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:

RESULT 94
US-09-940-244-143
; Sequence 143, Application US/09940244
; Publication No. US20030044796A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/09/940,244
; CURRENT FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 143
; LENGTH: 543
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-940-244-143

```

```

Query Match      12.2%; Score 66.5; DB 9; Length 543;
Best Local Similarity 21.0%; Pred. No. 35;
Matches 21; Conservative 20; Mismatches 28; Indels 31; Gaps 4;

QY 12 RAQAQRLETLLERESKAQKVLFDPGCTKNVTA-LLMEAREL-----EAR 55
Db 104 KTFEKLKLTFLKRCALKATDRI-----AASVTGMFTLESOELLRLFGVPYIOAPMEAEAO 157

```


RESULT 98

US-09-815-242-11531
; Sequence 11531, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11531
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Helicobacter pylori
US-09-815-242-11531

Query Match 11.9%; Score 64.5; DB 10; Length 318;
Best Local Similarity 26.6%; Pred. No. 28;
Matches 21; Conservative 18; Mismatches 29; Indels 11; Gaps 3;

QY 21 LLEERSKAEKVLFQDPGCTKNVALLMEARELEARVILSASEDDAATVYFAAAMLNMTG 80
DB 198 IVDKREKANE-----SEVMNIIGSAKRD--VILVDDMIDTAGTICKAALALKEQG 247

QY 81 SGYVWLVGEREI-SGNALR 98
DB 248 ATSVNALGTHAVLSGNAIK 266

RESULT 99

US-09-815-242-11546
; Sequence 11546, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11546
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Helicobacter pylori
US-09-815-242-11546

Query Match 11.9%; Score 64.5; DB 10; Length 519;
Best Local Similarity 26.8%; Pred. No. 54;
Matches 26; Conservative 22; Mismatches 34; Indels 15; Gaps 5;

QY 23 EERESKAEKVLFQDPGCTKN-VTALLMEARELEARV-----IILSASEDDAATVYFAAA 74
DB 175 ELEASAIENLLQ---TRSEIITPLAFQ-RSLEKKAKKQIKKVLPESEDE--RILKAAH 227

QY 75 MLNMTGSGYVWLVGEREISGNALRYAPDGIIGLOLIN 111
DB 228 RLNLGAVGLILLGDKKEAINSQAQNLNLNLENVEIIN 264

RESULT 100

US-09-771-161A-224
; Sequence 224, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.

; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 224
; LENGTH: 1175
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-224

Query Match 11.9%; Score 64.5; DB 10; Length 1175;
Best Local Similarity 26.5%; Pred. No. 1.6e+02;
Matches 30; Conservative 15; Mismatches 33; Indels 35; Gaps 5;

QY 6 SDDHEGRAQKRLETLLEERESKAEKVLFQDP-GTKNVNTALLMEARELE-----ARVIL 59
DB 642 SSKSEGPSQ-RLENAVKKPKDKEVRLPKPAGEVDLTALAKELRAVEDVRPHKVTDY 700

QY 60 SASDEDDAATV-----YRAAAMLNMTGSGYVWLVGERE 91
DB 701 SSSSESGTTDEDDDDVEQEGADESTGPDYRAASSLNLSN-----GETE 746

Search completed: March 31, 2003, 11:51:03
Job time : 30 secs

GenCore version 5.1.4.p5.4578
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 31, 2003, 11:39:29 ; Search time 15 Seconds

(without alignments)
217.730 Million cell updates/sec

Title: US-09-652-345-6

Perfect score: 543

Sequence: 1 IILLVSDDEHGRRAQKRLET.....ISGNALRYAPDGIIGLQLIN 111

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Issued_Patents_AA:*

1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*

5: /cgn2_6/ptodata/1/iaa/PTCUS_COMB.pep.*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|-------------------|
| 1 | 540 | 99.4 | 920 | 1 | US-08-026-138E-9 |
| 2 | 540 | 99.4 | 920 | 1 | US-08-026-138E-10 |
| 3 | 538 | 99.1 | 885 | 4 | US-08-264-578-11 |
| 4 | 538 | 99.1 | 922 | 2 | US-08-231-193A-14 |
| 5 | 538 | 99.1 | 922 | 2 | US-08-231-193A-20 |
| 6 | 538 | 99.1 | 922 | 2 | US-08-486-273A-14 |
| 7 | 538 | 99.1 | 922 | 2 | US-08-486-273A-20 |
| 8 | 538 | 99.1 | 922 | 3 | US-08-480-474-14 |
| 9 | 538 | 99.1 | 922 | 3 | US-08-480-474-20 |
| 10 | 538 | 99.1 | 922 | 3 | US-08-940-086A-14 |
| 11 | 538 | 99.1 | 922 | 3 | US-08-940-086A-20 |
| 12 | 538 | 99.1 | 922 | 4 | US-08-940-035A-14 |
| 13 | 538 | 99.1 | 922 | 4 | US-08-940-035A-20 |
| 14 | 538 | 99.1 | 922 | 4 | US-08-935-105A-14 |
| 15 | 538 | 99.1 | 922 | 4 | US-08-935-105A-20 |
| 16 | 538 | 99.1 | 922 | 4 | US-09-648-797-14 |
| 17 | 538 | 99.1 | 922 | 4 | US-09-648-797-20 |
| 18 | 538 | 99.1 | 938 | 2 | US-08-231-193A-2 |
| 19 | 538 | 99.1 | 938 | 2 | US-08-486-273A-2 |
| 20 | 538 | 99.1 | 938 | 3 | US-08-480-474-2 |
| 21 | 538 | 99.1 | 938 | 3 | US-08-940-086A-2 |
| 22 | 538 | 99.1 | 938 | 4 | US-08-940-035A-2 |
| 23 | 538 | 99.1 | 938 | 4 | US-08-935-105A-2 |
| 24 | 538 | 99.1 | 938 | 4 | US-09-648-797-2 |
| 25 | 538 | 99.1 | 976 | 2 | US-08-231-193A-22 |
| 26 | 538 | 99.1 | 976 | 2 | US-08-486-273A-22 |
| 27 | 538 | 99.1 | 976 | 3 | US-08-480-474-22 |

99.1 538 28 US-08-940-086A-22 Sequence 22, Appl
99.1 538 29 US-08-940-035A-22 Sequence 22, Appl
99.1 538 30 US-08-935-105A-22 Sequence 22, Appl
99.1 538 31 US-09-648-797-22 Sequence 2, Appl
98.0 863 32 US-08-436-332B-2 Sequence 36, Appl
95.3 943 33 US-08-231-193A-36 Sequence 36, Appl
95.3 943 34 US-08-486-273A-36 Sequence 36, Appl
95.3 943 35 US-08-480-474-36 Sequence 36, Appl
95.3 943 36 US-08-940-086A-36 Sequence 36, Appl
95.3 943 37 US-08-940-035A-36 Sequence 36, Appl
95.3 943 38 US-08-935-105A-36 Sequence 36, Appl
95.3 943 39 US-09-648-797-36 Sequence 36, Appl
95.3 943 40 US-08-231-193A-24 Sequence 24, Appl
95.3 959 41 US-08-486-273A-24 Sequence 24, Appl
95.3 959 42 US-08-480-474-24 Sequence 24, Appl
95.3 959 43 US-08-940-086A-24 Sequence 24, Appl
95.3 959 44 US-08-940-035A-24 Sequence 24, Appl
95.3 959 45 US-08-935-105A-24 Sequence 24, Appl
95.3 959 46 US-09-648-797-24 Sequence 24, Appl
95.3 959 47 US-08-231-193A-38 Sequence 38, Appl
95.3 997 48 US-08-486-273A-38 Sequence 38, Appl
95.3 997 49 US-08-480-474-38 Sequence 38, Appl
95.3 997 50 US-08-940-086A-38 Sequence 38, Appl
95.3 997 51 US-08-940-035A-38 Sequence 38, Appl
95.3 997 52 US-08-935-105A-38 Sequence 38, Appl
95.3 997 53 US-09-648-797-38 Sequence 38, Appl
73.7 854 54 US-08-231-193A-32 Sequence 32, Appl
73.7 854 55 US-08-486-273A-32 Sequence 32, Appl
73.7 854 56 US-08-480-474-32 Sequence 32, Appl
73.7 854 57 US-08-940-086A-32 Sequence 32, Appl
73.7 854 58 US-08-940-035A-32 Sequence 32, Appl
73.7 854 59 US-08-935-105A-32 Sequence 32, Appl
73.7 854 60 US-09-648-797-32 Sequence 32, Appl
73.7 870 61 US-08-231-193A-30 Sequence 30, Appl
73.7 870 62 US-08-486-273A-30 Sequence 30, Appl
73.7 870 63 US-08-480-474-30 Sequence 30, Appl
73.7 870 64 US-08-940-086A-30 Sequence 30, Appl
73.7 870 65 US-08-940-035A-30 Sequence 30, Appl
73.7 870 66 US-08-935-105A-30 Sequence 30, Appl
73.7 870 67 US-09-648-797-30 Sequence 30, Appl
73.7 908 68 US-08-231-193A-34 Sequence 34, Appl
73.7 908 69 US-08-486-273A-34 Sequence 34, Appl
73.7 908 70 US-08-480-474-34 Sequence 34, Appl
73.7 908 71 US-08-940-086A-34 Sequence 34, Appl
73.7 908 72 US-08-940-035A-34 Sequence 34, Appl
73.7 908 73 US-08-935-105A-34 Sequence 34, Appl
73.7 908 74 US-09-648-797-34 Sequence 34, Appl
69.9 777 75 US-08-231-193A-16 Sequence 16, Appl
69.9 777 76 US-08-486-273A-16 Sequence 16, Appl
69.9 777 77 US-08-480-474-16 Sequence 16, Appl
69.9 777 78 US-08-940-086A-16 Sequence 16, Appl
69.9 777 79 US-08-940-035A-16 Sequence 16, Appl
69.9 777 80 US-08-935-105A-16 Sequence 16, Appl
69.9 777 81 US-09-648-797-16 Sequence 16, Appl
69.9 875 82 US-08-231-193A-28 Sequence 28, Appl
69.9 875 83 US-08-486-273A-28 Sequence 28, Appl
69.9 875 84 US-08-480-474-28 Sequence 28, Appl
69.9 875 85 US-08-940-086A-28 Sequence 28, Appl
69.9 875 86 US-08-940-035A-28 Sequence 28, Appl
69.9 875 87 US-08-935-105A-28 Sequence 28, Appl
69.9 875 88 US-09-648-797-28 Sequence 28, Appl
69.9 891 89 US-08-231-193A-26 Sequence 26, Appl
69.9 891 90 US-08-486-273A-26 Sequence 26, Appl
69.9 891 91 US-08-480-474-26 Sequence 26, Appl
69.9 891 92 US-08-940-086A-26 Sequence 26, Appl
69.9 891 93 US-08-940-035A-26 Sequence 26, Appl
69.9 891 94 US-08-935-105A-26 Sequence 26, Appl
69.9 891 95 US-09-648-797-26 Sequence 26, Appl
69.9 929 96 US-08-231-193A-40 Sequence 40, Appl
69.9 929 97 US-08-486-273A-40 Sequence 40, Appl
69.9 929 98 US-08-480-474-40 Sequence 40, Appl
69.9 929 99 US-08-940-086A-40 Sequence 40, Appl
69.9 929 100 US-08-940-035A-40 Sequence 40, Appl

APPLICANT: FOLDES, Robert L.
APPLICANT: ADAMS, Sally-Lin
APPLICANT: RAMBOJ, Rajender
APPLICANT: DUNCAN, H. Scott
TITLE OF INVENTION: Modulatory Proteins of Human CNS
TITLE OF INVENTION: Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington, D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/264,578
FILING DATE: 23-JUN-1994
CLASSIFICATION: 436
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/987,953
FILING DATE: 11-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 16777/261/ALLE
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 885 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-264-578-11

Query Match 99.1%; Score 538; DB 4; Length 885;
Best Local Similarity 98.2%; Pred. No. 3.le-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 ILLVSDHGGRAAKRLETLLEERESKAQVLOFDPGKNTALLMEARELEAVIILS 60
DB 163 ILLVSDHGGRAAKRLETLLEERESKAQVLOFDPGKNTALLMEARELEAVIILS 222
QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
RESULT 4
US-08-231-193A-14
Sequence 14, Application US/08231193A
Patent No. 5849895
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,193A
FILING DATE: 20-APR-1994
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/052,459
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 922 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-231-193A-14
Query Match 99.1%; Score 538; DB 2; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 ILLVSDHGGRAAKRLETLLEERESKAQVLOFDPGKNTALLMEARELEAVIILS 60
DB 163 ILLVSDHGGRAAKRLETLLEERESKAQVLOFDPGKNTALLMEARELEAVIILS 222
QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
RESULT 5
US-08-231-193A-20
Sequence 20, Application US/08231193A
Patent No. 5849895
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,193A
FILING DATE: 20-APR-1994
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/052,459
FILING DATE: 20-APR-1993
CLASSIFICATION: 536

[illegible]

; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-086A-14

Query Match 99.1%; Score 538; DB 3; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 222
OY 61 ASEDDAATVYRAAAMLNMTGSGVYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMLNMTGSGVYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 11

US-08-940-086A-20
; Sequence 20, Application US/08940086A
; Patent No. 6111091

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla

; STATE: CA

; COUNTRY: USA

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US 08/940,086A

; FILING DATE: 29-SEPT-97

; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052,449

; FILING DATE: 20-APR-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 24735-9383C

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 450-8400

; TELEFAX: (619) 450-8499

; INFORMATION FOR SEQ ID NO: 20:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-086A-20

Query Match 99.1%; Score 538; DB 3; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 222
OY 61 ASEDDAATVYRAAAMLNMTGSGVYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMLNMTGSGVYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 12

US-08-940-035A-14

; Sequence 14, Application US/08940035A

; Patent No. 6316611

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/940,035A

; FILING DATE: 29-SEPT-97

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052,449

; FILING DATE: 20-APR-1993

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383E

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 922 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-940-035A-14

Query Match 99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDGTGKNTVALLMEARELEAVIILS 60


```
Db 163 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 13
US-08-940-035A-20
; Sequence 20, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940, 035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0062
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-035A-20

Query Match 99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 14
US-08-935-105A-14
; Sequence 14, Application US/08935105A
```

```
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-935-105A-14

Query Match 99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 60
Db 163 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDAAATVYRAAAMLNTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 15
US-08-935-105A-20
; Sequence 20, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
```

```

ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,105A
FILING DATE: 29-SEPT-97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 922 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-935-105A-20

Query Match          99.1%; Score 538; DB 4;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0;

QY      1 IILLVSDHGGRAQKRLETLLEERSKAEKVLFQDPGTKNVTAA
Db      163 IILLVSDHGGRAQKRLETLLEERSKAEKVLFQDPGTKNVTAA
QY      61 ASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGI
Db      223 ASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGI

RESULT 16
US-09-648-797-14
Sequence 14, Application US/09648797
Patent No. 6469142
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE
SUBUNITS, NUCLEIC ACIDS E
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/940,086A

```

```

; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-648-797-14

Query Match          99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred.No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels

QY 1 IILLVSDDHGRAAQRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEA
Db 163 IILLVSDDHGRAAQRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEA
QY 61 ASDDAATVYRAAAMLNMTGSGYVNLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASDDAATVYRAAAMLNMTGSGYVNLVGEREISGNALRYAPDGIIGLQLIN 173

RESULT 17
US-09-648-797-20
; Sequence 20, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:

```

```

; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 922 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-648-797-20

Query Match          99.1%; Score 538; DB 4; Length 922;
Best Local Similarity 98.2%; Pred. No. 3.3e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 222

QY 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 18
US-08-231-193A-2
; Sequence 2, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-231-193A-2

Query Match          99.1%; Score 538; DB 2; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 222

QY 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 19
US-08-486-273A-2
; Sequence 2, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-2

Query Match          99.1%; Score 538; DB 2; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 222

QY 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 20
US-08-480-474-2
```

```

Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 222

QY 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 19
US-08-486-273A-2
; Sequence 2, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-2

Query Match          99.1%; Score 538; DB 2; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQFDPGTKNVTALLMEARELEAVIILS 222

QY 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 20
US-08-480-474-2
```

```
; Sequence 2, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-2

Query Match 99.1%; Score 538; DB 3; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAEKVLQDPGKTNVTALLMEARELEARVILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAEKVLQDPGKTNVTALLMEARELEARVILS 222
QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 21
; Sequence 2, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037

; Sequence 2, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-2

Query Match 99.1%; Score 538; DB 3; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAEKVLQDPGKTNVTALLMEARELEARVILS 60
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAEKVLQDPGKTNVTALLMEARELEARVILS 222
QY 61 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
Db 223 ASEDDAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 22
; Sequence 2, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
```

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-035A-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAKRLETLLEERESKAQKVLQDFDGTKNVTALLMEARELEARVILS 60
   |||||||
Db 163 IILLVSDHGGRAAKRLETLLEERESKAQKVLQDFDGTKNVTALLMEARELEARVILS 222
   |||||||

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 23
US-08-935-105A-2
; Sequence 2, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
; US-08-940-035A-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAKRLETLLEERESKAQKVLQDFDGTKNVTALLMEARELEARVILS 60
   |||||||
Db 163 IILLVSDHGGRAAKRLETLLEERESKAQKVLQDFDGTKNVTALLMEARELEARVILS 222
   |||||||

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 24
US-09-648-797-2
; Sequence 2, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
; US-09-648-797-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-935-105A-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDHGGRAAKRLETLLEERESKAQKVLQDFDGTKNVTALLMEARELEARVILS 60
   |||||||
Db 163 IILLVSDHGGRAAKRLETLLEERESKAQKVLQDFDGTKNVTALLMEARELEARVILS 222
   |||||||

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111
   |||||||
Db 223 ASEDAAATVYRAAAMNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273
   |||||||

RESULT 24
US-09-648-797-2
; Sequence 2, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
; US-09-648-797-2

Query Match          99.1%; Score 538; DB 4; Length 938;
Best Local Similarity 98.2%; Pred. No. 3.4e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGCKNTVNTALLMEARELEARVILLS 60
DB 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGCKNTVNTALLMEARELEARVILLS 222
QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 111
DB 223 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 273

RESULT 25
US-08-231-193A-22
; Sequence 22, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 976 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-22

Query Match 99.1%; Score 538; DB 2; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGCKNTVNTALLMEARELEARVILLS 60
DB 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGCKNTVNTALLMEARELEARVILLS 222
QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 111
DB 223 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 273

RESULT 26
US-08-486-273A-22
; Sequence 22, Application US/08486273A
; Patent No. 5985586

; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 976 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-273A-22

Query Match 99.1%; Score 538; DB 2; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGCKNTVNTALLMEARELEARVILLS 60
DB 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDPGCKNTVNTALLMEARELEARVILLS 222
QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 111
DB 223 ASDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 273

RESULT 27
US-08-480-474-22
; Sequence 22, Application US/08480474
; Patent No. 6033665
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA

COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,474
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9382B
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-474-22

Query Match 99.1%; Score 538; DB 3; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 IILLVDDHEGRAAKRLETLLEERESKAQKVLQDPGKNTALLMEARELEARVILS 60
|||||
DB 163 IILLVDDHEGRAAKRLETLLEERESKAQKVLQDPGKNTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 111
|||||
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 273

RESULT 28
US-08-940-086A-22
Sequence 22, Application US/08940086A
Patent No. 6111091
GENERAL INFORMATION:
APPLICANT: Daggett, Lorie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993

ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-22

Query Match 99.1%; Score 538; DB 3; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 IILLVDDHEGRAAKRLETLLEERESKAQKVLQDPGKNTALLMEARELEARVILS 60
|||||
DB 163 IILLVDDHEGRAAKRLETLLEERESKAQKVLQDPGKNTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 111
|||||
DB 223 ASEDAAATVYRAAAMNMTGSGYVWLVGREISGNALRYAPDGIIGLQLIN 273

RESULT 29
US-08-940-035A-22
Sequence 22, Application US/08940035A
Patent No. 6316611
GENERAL INFORMATION:
APPLICANT: Daggett, Lorie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,035A
FILING DATE: 29-SEPT-97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 976 amino acids
TYPE: amino acid

; TOPOLOGY: linear
; MOLECULE TYPE: protein
us-08-940-035A-22

Query Match 99.1%; Score 538; DB 4; Length 976;
Best Local Similarity 98.2%; Pred. No. 3.6e-57;
Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFPGTKNVTALLMEARELEAVIILS 60

Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFPGTKNVTALLMEARELEAVIILS 222

Qy 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111

Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 30

US-08-935-105A-22
; Sequence 22, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/935,105A

; FILING DATE: 29-SEPT-97

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052,449

; FILING DATE: 20-APR-1993

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 22:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 976 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-935-105A-22

Query Match 99.1%; Score 538; DB 4; Length 976;

Best Local Similarity 98.2%; Pred. No. 3.6e-57;

Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFPGTKNVTALLMEARELEAVIILS 60

Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFPGTKNVTALLMEARELEAVIILS 222

Qy 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111

Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 31

US-09-648-797-22
; Sequence 22, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Lu, Chin-Chun

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: USA

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/648,797

; FILING DATE: 28-Aug-2000

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/940,086A

; FILING DATE: 29-SEPT-97

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; APPLICATION NUMBER: US 08/052,449

; FILING DATE: 20-APR-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 24735-9383C

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 450-8400

; TELEFAX: (619) 450-8499

; INFORMATION FOR SEQ ID NO: 22:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 976 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 22:

US-09-648-797-22

Query Match

Best Local Similarity 99.1%; Score 538; DB 4; Length 976;

Matches 109; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFPGTKNVTALLMEARELEAVIILS 60

Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFPGTKNVTALLMEARELEAVIILS 222

Qy 61 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 111

Db 223 ASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPDGIIGLQLIN 273

RESULT 32

US-08-436-332B-2

; Sequence 2, Application US/08436332B

; Patent No. 6130058

; GENERAL INFORMATION:

; APPLICANT: LE BOURDELLES, BEATRICE

APPLICANT: MYERS, BEATRICE
 APPLICANT: WHITING, PAUL JOHN
 TITLE OF INVENTION: STABLY TRANSFECTED CELL LINE EXPRESSING
 TITLE OF INVENTION: NMDA RECEPTORS, AND NOVEL CLONED NMDA
 TITLE OF INVENTION: RECEPTOR SUBUNIT SEQUENCES
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MICHAEL D. YABLONSKY - MERCK & CO., INC.
 STREET: 126 EAST LINCOLN AVE., - P.O. BOX 2000
 CITY: RAHWAY
 STATE: NEW JERSEY
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/436,332B
 FILING DATE: 10-MAY-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: YABLONSKY, MICHAEL D.
 REGISTRATION NUMBER: 40,407
 REFERENCE/DOCKET NUMBER: T1210Y
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 732-594-4678
 TELEFAX: 732-594-4720
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 863 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PS-08-436-332B-2

Query Match 98.0%; Score 532; DB 4; Length 863;
Best Local Similarity 97.3%; Pred. No. 1.6e-56;
Matches 108; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|------------|---------|------|----|-----|----|----|----|----|----|----|-----|----|-----|----|-----|----|----|----|-----|-----|
| 1 | Qy | IIILVSDDHG | RAAQKRL | ETLL | EE | RS | KA | EK | VL | QF | DP | GT | KNT | VT | ALL | ME | ARE | LE | AR | VL | ILS | 60 |
| 163 | Db | IIILVSDDHG | RAAQKRL | ETLL | EE | RS | KA | EK | VL | QF | DP | GT | KNT | VT | ALL | ME | ARE | LE | AR | VL | ILS | 222 |
| 61 | Qy | ASEDDAAT | VY | RAAA | AM | NMT | GT | SG | YV | VL | VG | RE | IS | GN | AL | RY | AP | DI | IG | LO | IN | 111 |
| 223 | Db | ASEDDAAT | VY | RAAA | AM | NMT | GT | SG | YV | VL | VG | RE | IS | GN | AL | RY | AP | DI | IG | LO | IN | 273 |

```

RESULT 33
US-08-231-193A-36
; Sequence 36, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

```

```

;
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-36

```

| | | | | |
|-----------------------|--------------|--------------------|------------|-------------|
| Query Match | 95.3% | Score 517.5; | DB 2; | Length 943; |
| Best Local Similarity | 82.6%; | Pred. No. 1.le-54; | | |
| Matches 109; | Conservative | 2; | Mismatches | 0; |
| | | | Indels | 21; |
| | | | Gaps | 1; |

| | | | | | |
|----|-----|--------------------|----------------------------|------------------------------|-----|
| Qy | 1 | IILLVSDHDHGRAAQKRL | ETLLLEERES-----KAEKVLPDPGT | 39 | |
| | | | | | |
| | | | | | |
| Db | 163 | IILLVSDHDHGRAAQKRL | ETLLLEERESKSKKRN | YENLDQLSYDNKRGPRAEKVLPDPGT | 222 |
| | | | | | |
| Qy | 40 | KNVYALLMEARELEAR | VIILSASEDDAAATVY | RAAAMLNMTGSGYVWLVEREISGNALRY | 99 |
| | | | | | |
| | | | | | |
| Db | 223 | KNVTALLMEAKELEAR | VIILSASEDDAAATVY | RAAAMLNMTGSGYVWLVEREISGNALRY | 282 |
| | | | | | |
| Qy | 100 | APDGIIGLQLIN | 111 | | |
| | | | | | |
| Db | 283 | APDGIIGLQLIN | 294 | | |

```

1  RESULT 34
2  US-08-486-273A-36
3  ; Sequence 36, Application US/08486273A
4  ; Patent No. 5985586
5  ; GENERAL INFORMATION:
6  ;
7  ; APPLICANT: Dagett, Lorrie P.
8  ; APPLICANT: Ellis, Steven B.
9  ; APPLICANT: Liaw, Chen W.
10 ; APPLICANT: Lu, Chin-Chun
11 ; TITLE OF INVENTION: HUMAN N-METHYL
12 ; TITLE OF INVENTION: ENCODING SAME
13 ; NUMBER OF SEQUENCES: 63
14 ; CORRESPONDENCE ADDRESS:
15 ; ADDRESSEE: Brown, Martin, Hallen
16 ; STREET: 1660 Union Street
17 ; CITY: San Diego
18 ; STATE: CA
19 ; COUNTRY: U.S.A.
20 ; ZIP: 92101-2926
21 ;
22 ; COMPUTER READABLE FORM:
23 ;
24 ; MEDIUM TYPE: Floppy disk
25 ; COMPUTER: IBM PC compatible
26 ; OPERATING SYSTEM: PC-DOS/MS-DOS
27 ; SOFTWARE: PatentIn Release #1.0
28 ; CURRENT APPLICATION DATA:
29 ; APPLICATION NUMBER: US/08/486,273
30 ; FILING DATE: 06-JUN-1995
31 ; CLASSIFICATION: 435
32 ;
33 ; PRIOR APPLICATION DATA:
34 ; APPLICATION NUMBER: US 08/231,111
35 ; FILING DATE: 20-APR-1994

```

```
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-36

Query Match          95.3%; Score 517.5; DB 2; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
   |||||||
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
   |||||||
QY 40 KNTALLMEARELEARVILISASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
   |||||||
Db 223 KNTALLMEARELEARVILISASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
   |||||||
QY 100 APDGIIGLQLIN 111
   |||||||
Db 283 APDGIIGLQLIN 294
   |||||||

.RESULT 35
US-08-480-474-36
; Sequence 36, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
```

```
; MOLECULE TYPE: protein
US-08-480-474-36

Query Match          95.3%; Score 517.5; DB 3; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
   |||||||
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
   |||||||
QY 40 KNTALLMEARELEARVILISASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
   |||||||
Db 223 KNTALLMEARELEARVILISASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
   |||||||
QY 100 APDGIIGLQLIN 111
   |||||||
Db 283 APDGIIGLQLIN 294
   |||||||

.RESULT 36
US-08-940-086A-36
; Sequence 36, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-086A-36

Query Match          95.3%; Score 517.5; DB 3; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
```

```
QY 1 ILLVSDDEHGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
Db 163 ILLVSDDEHGRAAKRLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294
RESULT 37
US-08-940-035A-36
; Sequence 36, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-035A-36
Query Match 95.3%; Score 517.5; DB 4; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
QY 1 ILLVSDDEHGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
Db 163 ILLVSDDEHGRAAKRLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
```

```
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294
RESULT 38
US-08-935-105A-36
; Sequence 36, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-935-105A-36
Query Match 95.3%; Score 517.5; DB 4; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
QY 1 ILLVSDDEHGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
Db 163 ILLVSDDEHGRAAKRLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294
RESULT 39
US-09-648-797-36
; Sequence 36, Application US/09648797
```

```
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 943 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-648-797-36

Query Match          95.3%; Score 517.5; DB 4; Length 943;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAEKVLQDPGT 39
   ||||||||||||||||||||||||||||||||||||||||||||
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKSKRKNYENLDQLSYDNKRGPKAEKVLQDPGT 222

QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRY 99
   ||||||||||||||||||||||||||||||||||||||||||||
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRY 282

QY 100 APDGIIGLQLIN 111
   |||||||
Db 283 APDGIIGLQLIN 294

RESULT 40
US-08-231-193A-24
; Sequence 24, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
```

```
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 959 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-24

Query Match          95.3%; Score 517.5; DB 2; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDHGEGRAAKRLETLLEERES-----KAEKVLQDPGT 39
   ||||||||||||||||||||||||||||||||||||||||||||
Db 163 IILLVSDDHGEGRAAKRLETLLEERESKSKRKNYENLDQLSYDNKRGPKAEKVLQDPGT 222

QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRY 99
   ||||||||||||||||||||||||||||||||||||||||||||
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGREISGNALRY 282

QY 100 APDGIIGLQLIN 111
   |||||||
Db 283 APDGIIGLQLIN 294

RESULT 41
US-08-486-273A-24
; Sequence 24, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
```

; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 959 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-24

Query Match 95.3%; Score 517.5; DB 2; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.le-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVDDHGGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
DB 163 IILLVDDHGGRAAKRLETLLEERESKKNRYENLDQSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
DB 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
DB 283 APDGIIGLQLIN 294

RESULT 42
US-08-480-474-24
; Sequence 24, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 959 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-474-24

Query Match 95.3%; Score 517.5; DB 3; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.le-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVDDHGGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
DB 163 IILLVDDHGGRAAKRLETLLEERESKKNRYENLDQSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
DB 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
DB 283 APDGIIGLQLIN 294

RESULT 43
US-08-940-086A-24
; Sequence 24, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400

TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-24

Query Match 95.3%; Score 517.5; DB 3; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
Db 163 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 1 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 39
Db 163 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 44
US-08-940-035A-24
Sequence 24, Application US/08940035A
Patent No. 6316611
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESS: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,035A
FILING DATE: 29-SEPT-97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-940-035A-24

Query Match 95.3%; Score 517.5; DB 4; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 39
Db 163 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTALLMEARELEARVILISASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 45
US-08-935-105A-24
Sequence 24, Application US/08935105A
Patent No. 6376660
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESS: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,105A
FILING DATE: 29-SEPT-97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-935-105A-24

Query Match 95.3%; Score 517.5; DB 4; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
QY 1 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 39
Db 163 IILLVSDHDEGRAAKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
; Sequence 38, Application US/08231193A
; Patent No. 5849895
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
Qy 100 APDGIIGLQLIN 111
; Sequence 38, Application US/08231193A
; Patent No. 5849895
Db 283 APDGIIGLQLIN 294

RESULT 46
US-09-648-797-24
; Sequence 24, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 959 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-09-648-797-24

Query Match 95.3%; Score 517.5; DB 4; Length 959;
Best Local Similarity 82.6%; Pred. No. 1.1e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
Qy 1 IILLVSDHDEGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDHDEGRAAKRLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
; Sequence 24, Application US/09648797
; Patent No. 6469142
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
Qy 100 APDGIIGLQLIN 111

Db 283 APDGIIGLQLIN 294
RESULT 47
US-08-231-193A-38
; Sequence 38, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-38
Query Match 95.3%; Score 517.5; DB 2; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;
Qy 1 IILLVSDHDEGRAAKRLETLLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDHDEGRAAKRLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
; Sequence 38, Application US/08231193A
; Patent No. 5849895
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
Qy 100 APDGIIGLQLIN 111
; Sequence 38, Application US/08231193A
; Patent No. 5849895
Db 283 APDGIIGLQLIN 294
RESULT 48
US-08-486-273A-38
; Sequence 27, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:

```

; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-38

Query Match          95.3%; Score 517.5; DB 3; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY      1  IILLVSDHGGRAQKRLTLLERES-----KAEKVLQFDPGT 39
          |||||||
Db      163  IILLVSDHGGRAQKRLTLLERESKKNRYENLDQSYDNKRGPAAKVLQFDPGT 222
          |||||||

QY      40  KNYTALLMEARELEARYIILSASDDAATVYRAAAMNMTGGYVWLVGEREISGNALRY 99
          |||||||
Db      223  KNYTALLMEARELEARYIILSASDDAATVYRAAAMNMTGGYVWLVGEREISGNALRY 282
          |||||||

QY      100  APDGIIGLQLIN 111
          |||||||
Db      283  APDGIIGLQLIN 294
          |||||||

RESULT 50
US-08-940-086A-38
; Sequence 38, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97

```



```
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-38

Query Match          95.3%; Score 517.5; DB 3; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDEHGAAQKRLTLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDDEHGAAQKRLTLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 51
US-08-940-035A-38
; Sequence 38, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
```

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 997 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-035A-38

Query Match          95.3%; Score 517.5; DB 4; Length 997;
Best Local Similarity 82.6%; Pred. No. 1.2e-54;
Matches 109; Conservative 2; Mismatches 0; Indels 21; Gaps 1;

QY 1 IILLVSDDEHGAAQKRLTLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDDEHGAAQKRLTLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 99
Db 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRY 282
QY 100 APDGIIGLQLIN 111
Db 283 APDGIIGLQLIN 294

RESULT 52
US-08-935-105A-38
; Sequence 38, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
```

US-08-935-105A-38

100 APDGTTCLOLTN 117

COONT: 0
ZTP: 92037

: INFORMATION FOR SEQ ID NO: 38:

```
Query Match      73.7%   Score 400.    DB 2: Length 854;
Best Local Similarity 79.8%   Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;
```

QY 1 IILLVSDHDHGRAQAQRKLETLLEERESAKBKVLFDPGCTKNVTALLMEARELEARVILS 60
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 163 IILLVSDHDHGRAQAQRKLETLLEERESAKBKVLFDPGCTKNVTALLMEAKELEARVILS 222

QY 61 ASDDAATVTVRAAAMLNNTGSGYVWLXG---EREISGNALRYAPDGIIG 106

Db 223 ASEDAAATVYRAAAMLNTGNTNWKTPGLFKRVLMSS--KYA-DGVGTG 268
|||||

RESULT 55

US-08-486-273A-32

; Sequence 32, Application US/08486273A

; Patent No. 5985586

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA

; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/486,273A

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 32:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 854 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-486-273A-32

Query Match 73.7%; Score 400; DB 2; Length 854;

Best Local Similarity 79.8%; Pred. No. 2.4e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 60

Db 163 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMLNTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASEDAAATVYRAAAMLNTGNTNWKTPGLFKRVLMSS--KYA-DGVGTG 268

RESULT 56

US-08-480-474-32

; Sequence 32, Application US/08480474

; Patent No. 6033865

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/480,474

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9382B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 32:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 854 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-480-474-32

Query Match

73.7%; Score 400; DB 3; Length 854;

Best Local Similarity 79.8%; Pred. No. 2.4e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 60

Db 163 IILLVSDHDEGRAAKRLTLLERESKAQKVLQFDGPKNTVALLMEARELEARVILS 222

QY 61 ASEDAAATVYRAAAMLNTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASEDAAATVYRAAAMLNTGNTNWKTPGLFKRVLMSS--KYA-DGVGTG 268

RESULT 57

US-08-940-086A-32

; Sequence 32, Application US/08940086A

; Patent No. 6111091

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: USA

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/940,086A

; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-32

Query Match 73.7%; Score 400; DB 3; Length 854;
Best Local Similarity 79.8%; Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTALLMEARELEAVIILS 60
|||||
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTALLMEARELEAVIILS 222
|||||

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
|||||
Db 223 ASEDAAATVYRAAAMNMTGNTNIWKTGPLFRKRLMSS--KYA-DGVTG 268
|||||

RESULT 58
US-08-940-035A-32
; Sequence 32, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-32

; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-035A-32

Query Match 73.7%; Score 400; DB 4; Length 854;
Best Local Similarity 79.8%; Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTALLMEARELEAVIILS 60
|||||
Db 163 IILLVSDDEHGRAAKRLETLLEERESKAQKVLQDFDPTGKNTALLMEARELEAVIILS 222
|||||

QY 61 ASEDAAATVYRAAAMNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
|||||
Db 223 ASEDAAATVYRAAAMNMTGNTNIWKTGPLFRKRLMSS--KYA-DGVTG 268
|||||

RESULT 59
US-08-935-105A-32
; Sequence 32, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-935-105A-32

Best Local Similarity 79.8%; Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 60
Db 163 ILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNWKTPGLPKRVLMS--KYA-DGVGTG 268

RESULT 60

US-09-648-797-32
; Sequence 32, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US/08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US/08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:

US-09-648-797-32
; Sequence 32, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US/08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US/08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:

Query Match 73.7%; Score 400; DB 4; Length 854;
Best Local Similarity 79.8%; Pred. No. 2.4e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 60
Db 163 ILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNWKTPGLPKRVLMS--KYA-DGVGTG 268

RESULT 61

US-08-231-193A-30
; Sequence 30, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 870 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-30

Query Match 73.7%; Score 400; DB 2; Length 870;
Best Local Similarity 79.8%; Pred. No. 2.5e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;
QY 1 ILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 60
Db 163 ILLVSDHDEGRAAKRLETLLEERESKAQKVLQFDGCTKNVTALLMEARELEARVILS 222
QY 61 ASEDAAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
Db 223 ASEDAAATVYRAAAMLNMTGNTNWKTPGLPKRVLMS--KYA-DGVGTG 268

US-08-231-193A-30
; Sequence 30, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; ENCODING SAME AND USES THEREFOR

RESULT 62

US-08-486-273A-30
; Sequence 30, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; ENCODING SAME AND USES THEREFOR

```

Query Match          73.7%; Score 400; DB 2; Length 870;
Best Local Similarity 79.8%; Pred. No. 2.5e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY      1 IILLVSDHGEGRAAQKLETLLEERESKAQKVLQFDGCKNVNTALLMEARLEARVILS 60
      |||
DB      163 IILLVSDHGEGRAAQKLETLLEERESKAQKVLQFDGCKNVNTALLMEARLEARVILS 222
      |||

QY      61 ASEDDAATVYRAAAMLNTGSGYVWLVG---EREISGNALRYAPDGIIG 106
      |||
DB      223 ASEDDAATVYRAAAMLNTGNTNWKGTGPLFKRVLMSS--KYA-DGVGTG 268
      |||

RESULT 63
US-08-480-474-30
; Sequence 30, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0. Version #1.25

```

```

:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/480,474
: FILING DATE: 06-JUN-1995
: CLASSIFICATION: 536
: ATTORNEY/AGENT INFORMATION:
: NAME: Seidman, Stephanie
: REGISTRATION NUMBER: 33,779
: REFERENCE/DOCKET NUMBER: 6362-9382B
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 619-238-0599
: TELEFAX: 619-238-0062
: INFORMATION FOR SEQ ID NO: 30:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 870 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-480-474-30
:
: Query Match 73.7%; Score 400;
: Best Local Similarity 79.8%; Pred. No.
: Matches 87; Conservative 8; Mismatch
:
: QY 1 IILLVSDDEHGRAAQKRLTLLLEERESKAEKVLC
: | | | | | | | | | | | | | | | | | | | |
: Db 163 IILLVSDDEHGRAAQKRLTLLLEERESKAEKVLC
:
: QY 61 ASEDAAIVYRAAAMNMTGSGVWLVG---ERRR
: | | | | | | | | | | | | | | | | | | | |
: Db 223 ASEDAAIVYRAAAMNMTGNTNIWKTGPIFKRVR
:
: RESULT 64
: US-08-940-086A-30
: Sequence 30, Application US/08940086A
: Patent No. 6111091
: GENERAL INFORMATION:
: APPLICANT: Daggett, Lorrie P.
: APPLICANT: Ellis, Steven B.
: APPLICANT: Liaw, Chen W.
: APPLICANT: Lu, Chin-Chun
: TITLE OF INVENTION: HUMAN N-METHYL-D-ALANINE
: TITLE OF INVENTION: SUBUNITS, NUCLEIC
: NUMBER OF SEQUENCES: 63
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Heller Ehrman White & McNair
: STREET: 4250 Executive Square, 7th Floor
: CITY: La Jolla
: STATE: CA
: COUNTRY: USA
: ZIP: 92037
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Ver
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/940,086A
: FILING DATE: 29-SEPT-97
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/231,193
: FILING DATE: 20-APR-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/052,449
: FILING DATE: 20-APR-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Seidman, Stephanie
: REGISTRATION NUMBER: 33,779
: REFERENCE/DOCKET NUMBER: 24735-93830B
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (619) 450-8400
: TELEFAX: (619) 450-8499

```

; INFORMATION FOR SEQ ID NO: 30:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 870 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-940-086A-30

Query Match 73.7%; Score 400; DB 3; Length 870;

Best Local Similarity 79.8%; Pred. No. 2.5e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDDHGAAQKRLTLLERESKAQKVLQDFDPTKNTVNTALLMEARELEAVIILS 60

Db 163 ILLVSDDHGAAQKRLTLLERESKAQKVLQDFDPTKNTVNTALLMEARELEAVIILS 222

QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS--KYA-DGVTG 268

RESULT 65

US-08-940-035A-30

; Sequence 30, Application US/08940035A

; Patent No. 6316811

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/940,035A

; FILING DATE: 29-SEPT-97

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052,449

; FILING DATE: 20-APR-1993

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383E

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 30:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 870 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-940-035A-30

Query Match

Best Local Similarity 73.7%; Score 400; DB 4; Length 870;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDDHGAAQKRLTLLERESKAQKVLQDFDPTKNTVNTALLMEARELEAVIILS 60

Db 163 ILLVSDDHGAAQKRLTLLERESKAQKVLQDFDPTKNTVNTALLMEARELEAVIILS 222

QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS--KYA-DGVTG 268

RESULT 66

US-08-935-105A-30

; Sequence 30, Application US/08935105A

; Patent No. 6376660

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Heller Ehrman White & McAuliffe

; STREET: 4250 Executive Square, 7th Floor

; CITY: La Jolla

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/935,105A

; FILING DATE: 29-SEPT-97

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052,449

; FILING DATE: 20-APR-1993

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 30:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 870 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-935-105A-30

Query Match 73.7%; Score 400; DB 4; Length 870;

Best Local Similarity 79.8%; Pred. No. 2.5e-40;

Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps 3;

QY 1 ILLVSDDHGAAQKRLTLLERESKAQKVLQDFDPTKNTVNTALLMEARELEAVIILS 60

Db 163 ILLVSDDHGAAQKRLTLLERESKAQKVLQDFDPTKNTVNTALLMEARELEAVIILS 222

QY 61 ASDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106

Db 223 ASDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS--KYA-DGVTG 268

RESULT 67

US-09-648-797-30

; Sequence 30, Application US/09648797

```

; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 908 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-231-193A-34

Query Match          73.7%; Score 400; DB 2: Length 908;
Best Local Similarity 79.8%; Pred. No. 2.6e-40;
Matches 87; Conservative 8; Mismatches 8; Indels 6; Gaps

QY   1 IILLVDDHEGAAQRRLTLLLEERESKAEKVLQFDPGTKNVTALLMEAREARVILLS 60
      |||||
Db    163 IILLVDDHEGAAQRRLTLLLEERESKAEKVLQFDPGTKNVTALLMEAREARVILLS 222

QY   61 ASSEDAATVYRAAAMLNMTGSGYVWLVG---EREISGNALRYAPDGIIG 106
      |||||
Db    223 ASEDDAATVYRAAAMLNMTGTNIWKTGPLFKRVLMSS--KYA-DGVTG 268

RESULT 69
US-08-486-273A-34
; Sequence 34, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTRO SUBUNITS, DN
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A

```


TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-486-273A-16

Query Match 69.9%; Score 379.5; DB 2; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHGGRAAQRKLETLLEERES-----KAEKVLQFDPGT 39
|||||
Db 65 IILLVSDHGGRAAQRKLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 124
QY 40 KNYTALLMEARELEARVILTSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||
Db 125 KNYTALLMEARELEARVILTSASEDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 183
QY 97 LRYAPDGIIG 106
:|||
Db 184 -KYA-DGVTG 191

RESULT 77
US-08-480-474-16
Sequence 16, Application US/08480474
Patent No. 6033865
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
TITLE OF INVENTION: SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,474
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9382B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-474-16

Query Match 69.9%; Score 379.5; DB 3; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHGGRAAQRKLETLLEERES-----KAEKVLQFDPGT 39
|||||
Db 65 IILLVSDHGGRAAQRKLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 124
QY 40 KNYTALLMEARELEARVILTSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||
Db 125 KNYTALLMEARELEARVILTSASEDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 183
QY 97 LRYAPDGIIG 106
:|||
Db 184 -KYA-DGVTG 191

RESULT 78
US-08-940-086A-16
Sequence 16, Application US/08940086A
Patent No. 6111091
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 777 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-16

Query Match 69.9%; Score 379.5; DB 3; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHGGRAAQRKLETLLEERES-----KAEKVLQFDPGT 39
|||||
Db 65 IILLVSDHGGRAAQRKLETLLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 124
QY 40 KNYTALLMEARELEARVILTSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||

Db 125 KNTALLMEAKELEARVILLSASEDDAATVYRAAAMLNMTGNTNIWKTGPKFVKRLMSS- 183

QY 97 LRYAPDGIIG 106
:|| ||: |

Db 184 -KYA-DGVTG 191

RESULT 79
US-08-940-035A-16
; Sequence 16, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 777 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-940-035A-16

Query Match 69.9%; Score 379.5; DB 4; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGRAAKRLETLLERES-----KAEKVLQFDPGT 39
|||||
Db 65 IILLVSDHDEGRAAKRLETLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 124
|||||

QY 40 KNTALLMEARELEARVILLSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||

Db 125 KNTALLMEAKELEARVILLSASEDDAATVYRAAAMLNMTGNTNIWKTGPKFVKRLMSS- 183

QY 97 LRYAPDGIIG 106
:|| ||: |

Db 184 -KYA-DGVTG 191

RESULT 80
US-08-935-105A-16
; Sequence 16, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 777 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-935-105A-16

Query Match 69.9%; Score 379.5; DB 4; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDHDEGRAAKRLETLLERES-----KAEKVLQFDPGT 39
|||||

Db 65 IILLVSDHDEGRAAKRLETLLERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 124
|||||

QY 40 KNTALLMEARELEARVILLSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
|||||

Db 125 KNTALLMEAKELEARVILLSASEDDAATVYRAAAMLNMTGNTNIWKTGPKFVKRLMSS- 183

QY 97 LRYAPDGIIG 106
:|| ||: |

Db 184 -KYA-DGVTG 191

RESULT 81
US-09-648-797-16
; Sequence 16, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun

```
;
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648,797
; FILING DATE: 28-Aug-2000
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
;
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 777 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-648-797-16

Query Match 69.9%; Score 379.5; DB 4; Length 777;
Best Local Similarity 66.9%; Pred. No. 6.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGRAAKRLTLEERES-----KAEKVLQFDPGT 39
Db 65 IILLVSDHDEGRAAKRLTLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 124

Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 125 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNWKTCPLFKRVLMS- 183

Qy 97 LRYAPDGIIG 106
Db 184 -KYA-DGVTG 191

RESULT 82
US-08-231-193A-28
; Sequence 28, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
```

```
;
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-28

Query Match 69.9%; Score 379.5; DB 2; Length 875;
Best Local Similarity 66.9%; Pred. No. 8.1e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGRAAKRLTLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDHDEGRAAKRLTLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNWKTCPLFKRVLMS- 281

Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 83
US-08-486-273A-28
; Sequence 28, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
```

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-273A-28

Query Match 69.9%; Score 379.5; DB 2; Length 875;
Best Local Similarity 66.9%; Pred. No. 8.1e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDDEHGRAAKRLTLEERES-----KAEKVLQDPGT 39
|||||
DB 163 IILLVSDDEHGRAAKRLTLEERESKKNRYENLDQLSYDNKRGPKRAEKVLQDPGT 222
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGSGYVVLVG---EREISGNA 96
|||||
DB 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGNTNWKTPGFLFKRVLMS- 281
QY 97 LRYAPDGIIG 106
:|||
DB 282 -KYA-DGVTG 289

RESULT 84
US-08-480-474-28
; Sequence 28, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-28

Query Match 69.9%; Score 379.5; DB 3; Length 875;
Best Local Similarity 66.9%; Pred. No. 8.1e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDDEHGRAAKRLTLEERES-----KAEKVLQDPGT 39
|||||
DB 163 IILLVSDDEHGRAAKRLTLEERESKKNRYENLDQLSYDNKRGPKRAEKVLQDPGT 222
QY 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGSGYVVLVG---EREISGNA 96
|||||
DB 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMNMTGNTNWKTPGFLFKRVLMS- 281
QY 97 LRYAPDGIIG 106
:|||
DB 282 -KYA-DGVTG 289

RESULT 85
US-08-940-086A-28
; Sequence 28, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; TOPOLOGY: linear


```
;
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0062
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-273A-26

Query Match          69.9%; Score 379.5; DB 2; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

;
; 1 ILLVSDDEHGRAAKRLTLEERES-----KAEKVLQFDPGT 39
; |||||
; 163 ILLVSDDEHGRAAKRLTLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
;
; 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVVLVG---EREISGNA 96
; |||||
; 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 281
;
; 97 LRYAPDGIIG 106
; :|| |||:|
; 282 -KYA-DGVTG 289

;
; US-08-480-474-26
;
; Sequence 26, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
```

```
;
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0062
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-474-26

Query Match          69.9%; Score 379.5; DB 3; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

;
; 1 ILLVSDDEHGRAAKRLTLEERES-----KAEKVLQFDPGT 39
; |||||
; 163 ILLVSDDEHGRAAKRLTLEERESKKNRYENLDQLSYDNKRGPKAEKVLQFDPGT 222
;
; 40 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGSGYVVLVG---EREISGNA 96
; |||||
; 223 KNTVALLMEARELEARVILSASDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 281
;
; 97 LRYAPDGIIG 106
; :|| |||:|
; 282 -KYA-DGVTG 289

;
; US-08-940-086A-26
;
; Sequence 26, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,086A
; FILING DATE: 29-SEPT-97
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
```

; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-086A-26

Query Match 69.9%; Score 379.5; DB 3; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGAAQKRLETLLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDHDEGAAQKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVVLVG---EREISGNA 96
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 281

Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 93
US-08-940-035A-26
; Sequence 26, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESS: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940, 035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-940-035A-26

Query Match 69.9%; Score 379.5; DB 4; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGAAQKRLETLLEERES-----KAEKVLQFDPGT 39
Db 163 IILLVSDHDEGAAQKRLETLLEERESKSKRNYENLDQLSYDNKRGPKAEKVLQFDPGT 222

Qy 40 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGSGYVVLVG---EREISGNA 96
Db 223 KNTVALLMEARELEARVILSASEDDAATVYRAAAMLNMTGNTNWKTPGLFKRVLMS- 281

Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 94
US-08-935-105A-26
; Sequence 26, Application US/08935105A
; Patent No. 6376660
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESS: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/935,105A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-935-105A-26

```

Query Match          69.9%; Score 379.5; DB 4; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDDHGEGRAQKRLTLEERES-----KAEKVLFQDPGT 39
Db 163 IILLVSDDHGEGRAQKRLTLEERESKSKRNVENLDQLSYDNKRGPKAQKVLQFDPGT 222
QY 40 KNTVALLMEARELEARVILLSASEDDAATVYRAAAMLNMTGSGYVWLVG---EREISGNA 96
Db 223 KNTVALLMEARELEARVILLSASEDDAATVYRAAAMLNMTGNTNWKTPLEKRVLMSS- 281
QY 97 LRYAPDGLIG 106
Db 282 -KYA-DGVTG 289

RESULT 95
US-09-648-797-26
; Sequence 26, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/648.797
; FILING DATE: 28-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/940.086A
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231.193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052.449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9383C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 450-8400
; TELEFAX: (619) 450-8499
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 891 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-648-797-26

Query Match          69.9%; Score 379.5; DB 4; Length 891;
Best Local Similarity 66.9%; Pred. No. 8.3e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

QY 1 IILLVSDDHGEGRAQKRLTLEERES-----KAEKVLFQDPGT 39

```

```
RESULT 97
US-08-486-273A-40
; Sequence 40, Application US/08486273A
; Patent No. 598586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-273A-40

Query Match 69.9%; Score 379.5; DB 2; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGRAAKRLETLLEERES-----KAEKVLQDFDPT 39
Db 163 IILLVSDHDEGRAAKRLETLLEERESKSKKNYENLDQLSYDNKRGPKAEKVLQDFDPT 222
Qy 40 KNTALLMEARELEARVILSASDDAAATVYRAAAMLMNTGSGYVWLVG---EREISGNA 96
Db 223 KNTALLMEARELEARVILSASDDAAATVYRAAAMLMNTGNTNWKTPGLFKRVLMS- 281
Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

Query Match 69.9%; Score 379.5; DB 2; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGRAAKRLETLLEERES-----KAEKVLQDFDPT 39
Db 163 IILLVSDHDEGRAAKRLETLLEERESKSKKNYENLDQLSYDNKRGPKAEKVLQDFDPT 222
Qy 40 KNTALLMEARELEARVILSASDDAAATVYRAAAMLMNTGSGYVWLVG---EREISGNA 96
Db 223 KNTALLMEARELEARVILSASDDAAATVYRAAAMLMNTGNTNWKTPGLFKRVLMS- 281
Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 98
US-08-480-474-40
; Sequence 40, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
```

```
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,474
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9382B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 929 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-474-40

Query Match 69.9%; Score 379.5; DB 3; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

Qy 1 IILLVSDHDEGRAAKRLETLLEERES-----KAEKVLQDFDPT 39
Db 163 IILLVSDHDEGRAAKRLETLLEERESKSKKNYENLDQLSYDNKRGPKAEKVLQDFDPT 222
Qy 40 KNTALLMEARELEARVILSASDDAAATVYRAAAMLMNTGSGYVWLVG---EREISGNA 96
Db 223 KNTALLMEARELEARVILSASDDAAATVYRAAAMLMNTGNTNWKTPGLFKRVLMS- 281
Qy 97 LRYAPDGIIG 106
Db 282 -KYA-DGVTG 289

RESULT 99
US-08-940-086A-40
; Sequence 40, Application US/08940086A
; Patent No. 611091
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
```

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/231,193
 FILING DATE: 20-APR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/052,449
 FILING DATE: 20-APR-1993
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 6362-9383E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-238-0999
 TELEFAX: 619-238-0062
 INFORMATION FOR SEQ ID NO: 40:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 929 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-940-035A-40

```

Query Match      69.9%; Score 379.5; DB 4; Length 929;
Best Local Similarity 66.9%; Pred. No. 8.8e-38;
Matches 87; Conservative 8; Mismatches 8; Indels 27; Gaps 4;

1 IILYSDDEHGRAAKRIETLLERES-----KAEKVLQDFDPT 39
|||||

```

[illegible]

Search completed: March 31, 2003, 11:47:36
Job time : 29 secs